

Idaho System for Educational Excellence (ISEE)

CAREER TECHNICAL EDUCATION (CTE) ASSIGNMENT CREDENTIAL MANUAL
ASSIGNMENT/ENDORSEMENT CROSSWALK
For Idaho 2024-2025 Secondary ISEE Data Collection and Reporting



Dr. Clay Long, IDCTE Administrator



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Idaho Division of Career Technical Education Subject Fields and Assignment Code Descriptions

The Idaho Division of Career Technical Education (IDCTE) course code consists of a six-digit (6) number, with the first two (2) digits corresponding to the subject area to which that course belongs. These two digits provide the user with a logical link to the subject fields that are used to further describe the course.

Insofar as possible, the last 3 digits of the basic assignment code correspond to the order of courses as described within the subject area. Although rigorous procedures are not used to order courses within the subject areas, courses are grouped according to topics and skills covered within the courses. In most instances, numbers are used consistently to denote certain characteristics of the courses. Assignment codes have been grouped into the following subject fields and should be taught by certified staff holding the proper teaching credentials.

10: Computer and Informational Systems	18: Agriculture, Food, and Natural Resources
11: Communications and Audio/Visual Technology	19: Family and Consumer Sciences/Human Services
12: Business and Marketing	20: Transportation, Distribution, and Logistics
13: Manufacturing	21: Engineering and Technology
14: Health Care Sciences	22: Miscellaneous/Elective Course Assignments
15: Public, Protective, and Governmental Services	80: Middle School Level Assignments
16: Hospitality and Tourism	90: High School Level/Other Assignments
17: Architecture and Construction	

Only six-digit (6) assignment codes (for approved programs) receive IDCTE secondary Added-Cost Funding, unless otherwise designated. Although every attempt has been made to accommodate the many different types of courses taught throughout the state, you may not see the exact title and description you are seeking. Please choose the assignment code that most closely aligns to what is being taught.

Grades 6-8 Assignments

If you have a combination class (i.e.: Grades 8 and 9), create two different sections using the appropriate codes.

- First Steps Career Exploration Course Assignment
 - Idaho Code §33-1614, requires that every student in seventh or eighth grade who is enrolled in an Idaho public school district, a specifically chartered district, or a public charter school shall complete one or more career exploration courses aligned to the [First Steps standards](#). For additional information, please refer to the [FAQ](#) associated with this statute.
 - All **teachers of record** for this assignment must have successfully completed State Board of Education-approved professional development as offered through the Idaho Division of Career Technical Education. Progress toward and course completion is documented through Idaho's microcredential platform, **SkillStack®**.
 - Assignment Code
 - If this course is being taught by a CTE certificated instructor, use ISEE Assignment Code **221510** *First Steps: Understanding the World of Work through CTE*.
 - If this course is being taught by a non-CTE certificated instructor, use ISEE Idaho Department of Education Assignment Code **20005**.

- Use the following assignment codes by program area to report CTE teaching assignments in Grades 6-8, regardless of the course title used by your school.
 - 800010 Grades 6-8 Agriculture, Food, and Natural Resources
 - 800020 Grades 6-8 Business and Marketing Education
 - 800030 Grades 6-8 Engineering and Technology Education
 - 800040 Grades 6-8 Family and Consumer Sciences and Human Services
 - 800050 Grades 6-8 Trades and Industry
 - 800060 Grades 6-8 Health Professions and Public Safety

Other Grades 9-12 CTE Assignments

If you have a combination class (i.e.: Grades 8 and 9), create two different sections using the appropriate codes.

Use the specific assignment code that most closely aligns to the intent of the content and standards associated with the assignment.

- Use the following codes only as an exception to report high school-level assignments in the event a more-specific ISEE assignment does not reflect what the teacher is teaching. If using one of these assignment codes, be prepared to provide information about the course at the request of IDCTE staff. **These assignment codes do not generate Program Added-Cost Funding.** Contact Kristi Enger if more guidance is needed.
 - 900010 Grades 9-12 Agriculture, Food, and Natural Resources
 - 900020 Grades 9-12 Business and Marketing Education
 - 900030 Grades 9-12 Engineering and Technology Education
 - 900040 Grades 9-12 Family and Consumer Sciences and Human Services
 - 900050 Grades 9-12 Trades and Industry
 - 900060 Grades 9-12 Health Professions and Public Safety
- Use the following assignment codes to represent non-CTE program-related assignments for CTE-certified educators.
 - 313000 CTE - Other District Staff. (i.e.: athletic director, technology coordinator, etc.). **Report appropriate assignment FTE.**
 - 900001 Advisory - CTE (students in class). **Report appropriate assignment FTE.**
 - 900002 Aide - CTE Classroom. **Do not report assignment FTE (Set assignment FTE as “0.”).**
- **DO NOT** use the Idaho Department of Education’s 20005 exploratory code for CTE-certified instructors. Using the SDE code when an individual only holds CTE certification will result in a misalignment error, which may result in a reduced Foundation Payment and CTE program funding.

CTE Courses That Meet Core Content (Graduation) Requirements

The district/charter (Local Education Agency – LEA) may offer graduation requirement credit for CTE courses upon meeting certain requirements as outlined in IDAPA 08.02.03.0105. IDCTE has developed a [guidance document](#) that provides greater clarity for districts wishing to utilize appropriate CTE assignments to meet graduation requirements for students in a CTE program pathway. Click [here](#) to consider your options. Contact [Kristi Enger](#), Educator Certification Director, with additional questions.

Summary of Major Changes to 2024-2025 CTE Assignment Credential Manual

AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)

- Assignment Descriptions
 - 180010 Introduction to Agriculture Education
 - 180040 Agricultural Biology
 - 180050 Environmental Science
 - 180051 Introduction to Environmental Science Technology
 - 180511 Science of Plant Growth and Development
 - 180513 Plant and Soil Science
 - 180514 Standards of Agricultural Plant Science
 - 180515 Horticulture Plant Science
 - 181011 Animal Science
 - 181013 Applied Livestock Management
 - 181017 Science of Animal Reproduction
 - 181020 Small Animal Care
 - 181040 Equine Science
 - 181041 Advanced Equine Science
 - 181050 Veterinary Science
 - 181070 Science of Animal Nutrition
 - 182010 Agribusiness Management and Marketing
 - 182030 Personal Skill Development
 - 182031 Advanced Leadership in Agriculture and Marketing
 - 182032 Principles of Agricultural Communications and Leadership
 - 182040 Agricultural Economics
 - 183052 Introduction to Equipment in Food Processing
 - 183060 Aquaculture Science
 - 183080 Agricultural Biotechnology
 - 183081 Food Science
 - 183490 Precision Agriculture
 - 185021 Forestry Science
 - 185054 Fish and Wildlife Science
 - 185056 Advanced Forestry Science
 - 185057 Range Science

Key
Added
Removed
Modified

BUSINESS AND MARKETING EDUCATION (BME)

- Assignment Descriptions
 - 120010 Business Essentials
 - 121012 Banking and Finance Services
 - 121013 Personal Business Finance

- 121020 Banking and Credit
- 121030 Financial Planning and Financial Operations
- 121050 Economics and the World of Finance
- 121670 Marketing Economics (Applied Economics)
- 129993 HSB Business Economics
- 129998 Business Math

ENGINEERING AND TECHNOLOGY EDUCATION (ETE)

- No changes

FAMILY AND CONSUMER SCIENCES AND HUMAN SERVICES (FCSHS)

- No changes

HEALTH PROFESSIONS AND PUBLIC SAFETY (HPPS)

- Assignment Addition / Deletion / Modification
 - 140620 ~~Sports Medicine and Athletic Training~~ Fundamentals of Rehabilitation Services
 - 141050 Clinical Specialties
- Endorsement Addition to / Deletion from Assignment
 - 141050 Clinical Specialties
 - 2000 CTE OS – Orientation to Health Professions (6-12)
 - 2011 CTE OS – Dental Assisting (6-12)
 - 2030 CTE OS – Dietitian (6-12)
 - 2033 CTE OS – Nursing Assistant (6-12)
 - 2055 CTE OS – Rehabilitation Services (6-12)
 - 2085 CTE OS – Emergency Medical Technician (6-12)
 - 2087 CTE OS – Paramedic (6-12)
 - 2094 CTE OS – Medical Assisting (6-12)
 - 2095 CTE OS – Pharmacy Technician (6-12)
 - 2098 CTE OS – Sports Medicine/Athletic Training (6-12)
- Assignment Descriptions
 - 140010 Fundamentals of Health Professions

TRADES AND INDUSTRY (TI)

- Pathway Addition / Deletion / Modification
 - Aircraft Maintenance
- Assignment Addition to / Deletion / Modification
 - 130010 Manufacturing Careers Exploration
 - 200010 Aviation Careers Exploration
 - 200530 Aircraft Maintenance I
 - 200531 Aircraft Maintenance II

- 200532 Aircraft Maintenance III
- 201033 Transportation Systems Careers Exploration
- 201070 Heavy Duty Truck and Equipment and Diesel Level I
- 201071 Heavy Duty Truck and Equipment and Diesel Level II
- 201072 Heavy Duty Truck and Equipment and Diesel Level III
- 201101 Small Engine Repair Level Powersports and Outdoor Power Equipment I
- 201102 Small Engine Repair Level Powersports and Outdoor Power Equipment II
- 201103 Small Engine Repair Level Powersports and Outdoor Power Equipment III
- 201480 Work Based Learning – Small Engine Repair/Power Sports Powersports and Outdoor Power Equipment
- 201484 Work Based Learning – Aircraft Maintenance
- Endorsement Addition/Deletion/Modification
 - 6041 CTE OS – Aircraft Maintenance (6-12)
 - 6120 CTE OS – Heavy Duty Truck and Equipment/Diesel Technology (6-12)
 - 6310 CTE OS – Small Engine Repair/Power Sports Powersports and Outdoor Power Equipment (6-12)
- Endorsement Addition to/Deletion from Assignment
 - 0099 CTE OS - Work Based Learning Coordinator (6-12)
 - 201484 Work Based Learning – Aircraft Maintenance
 - 6041 CTE OS – Aircraft Maintenance (6-12)
 - 200010 Aviation Careers Exploration
 - 200530 Aircraft Maintenance I
 - 200531 Aircraft Maintenance II
 - 200532 Aircraft Maintenance III
 - 201484 Work Based Learning – Aircraft Maintenance
 - 7016 CTE – Career Counselor (6-12)
 - 201484 Work Based Learning – Aircraft Maintenance
 - 6310 CTE OS – Powersports and Outdoor Power Equipment (6-12)
 - 184010 Introduction to Agricultural Mechanics
 - 184011 Small Gasoline Engines
 - 184012 Agricultural Power Technology – Large Engines
 - 184014 Agricultural Machinery
 - 184016 Advanced Small Gasoline Engines
 - 184042 Agricultural Power Technology
 - 184481 Work Based Learning – Agriculture Small Engine Repair/Power Sports
 - 800010 Grades 9-12 Agriculture, Food, and Natural Resources
 - 900010 Grades 9-12 Agriculture, Food, and Natural Resources
- Assignment Descriptions
 - 130022 Industrial Maintenance Mechanics Level I
 - 130025 Automated Manufacturing Level I
 - 132030 Precision Machining Level I
 - 132070 Welding I
 - 170010 Construction Careers Exploration

- 170030 Construction Trades Level I
- 170071 Cabinetmaking and Millwork Level I
- 170072 Cabinetmaking and Millwork Level II
- 170480 Work Based Learning – Construction Trades
- 170481 Work Based Learning – Cabinetmaking and Bench Carpentry
- 170580 Plumbing Level II
- 170981 Work Based Learning - Plumbing
- 171020 Electrical Level II
- 171062 Electronics Technology Level I
- 171063 Electronics Technology Level II
- 171064 Electronics Technology Level III
- 201030 Automotive Technology Level I
- 201033 Transportation Careers Exploration
- 201070 Heavy Duty Truck and Equipment I
- 201071 Heavy Duty Truck and Equipment II
- 201072 Heavy Duty Truck and Equipment III
- 201101 Powersports and Outdoor Power Equipment I
- 201102 Powersports and Outdoor Power Equipment II
- 201103 Powersports and Outdoor Power Equipment III

For technical assistance, please contact Kristi Enger, Director of CTE Educator Certification, at kristi.enger@cte.idaho.gov or (208) 429-5528. You may also reach out to any of the [CTE Program Quality Managers](#) or Chet Andes, Assistant Director of Program Quality at chet.andes@cte.idaho.gov or (208) 429-5523.

Assignment Credential Manual General FAQs

1. Why do districts/charters have to report their educators' certificated assignments?

Educator Certification uses a report called the *Assignment Credential Report (ACR)* to ensure that districts/charters and educators comply with Idaho Statute Title 33-1201 and to determine whether funding for assignments will be released to or withheld from districts.

Educators must hold the appropriate certificate and endorsement for the assignments that they are “coded” for through Idaho System for Educational Excellence (ISEE) reporting. If an educator is coded for an assignment for which s/he does not hold the appropriate certificate/endorsement, funding may be withheld from the district/charter for the applicable assignments. Districts/charters, however, may work toward rectifying misassignment issues either by correcting assignment coding, having the educator apply for certification, or having the district apply for an alternative authorization.

2. How does one use/read the Assignment Credential Manual?

Each assignment has a numeric code, a title, a description of the assignment, and the endorsements that may teach the assignment. This version of the IDCTE Assignment Credential Manual (ACM) is graphically organized by pathways and cluster courses at the front end, and then arranged as an endorsement “crosswalk” at the back. For example, the graphically organized portion looks like this:

Assignment Codes	Endorsement Codes
460600 Career Technical Education Administrator Coordinates, manages, or directs services within a career technical education program.	0055 CTE Administrator

The crosswalk is arranged [assignment to endorsement](#), like this:

460600 Career Technical Education Administrator 0055 CTE Administrator (6-12)

The crosswalk is also arranged [endorsement to assignment](#) like this:

0055 CTE Administrator (6-12) 460600 Career Technical Education Administrator

3. How does the district/charter know which assignment/course code to choose?

The IDCTE ACM is extensive, yet it is impossible for it to be all-inclusive. Districts are advised to choose the code that best reflects the content that is being delivered in the classroom or that best reflects the duties of the educator (in the case of certificated, non-instructional duties).

4. When does the district/charter have to use codes from the ACM?

If a school has a CTE program or the teacher is only endorsed through Idaho CTE, assignments must be coded in ISEE with codes from the IDCTE ACM. CTE teacher endorsements no longer align to assignments in the State Department of Education (SDE) Assignment Manual.

5. How does the district/charter know if an educator can be coded for a particular assignment?

Each assignment will have a list of endorsements that are allowed to teach that assignment. For example, if a teacher holds a Business Management/Finance (6-12) (4015) endorsement, he or she can teach Assignment Code 121670 Marketing Economics.

121670 Marketing Economics (Applied Economics)

A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision-making and its relationship to how people produce and distribute consumer goods and services are examined. *This course fulfills, with LEA approval, the personal finance graduation requirement.*

4015 CTE OS – Business Management/Finance (6-12)

9092 CTE – Marketing Technology Education (6-12)

9093 CTE – Business Technology Education (6-12)

6. What if the district/charter needs a teacher to teach an assignment for which he/she does NOT hold the appropriate certificate and endorsement?

The district/charter can apply for a CTE Alternative Authorization Certificate. The application will be reviewed by the CTE Educator Certification Director and/or the Professional Standards Committee Authorizations subcommittee. If the application is approved by the Authorizations Committee, the candidate will be allowed to teach in the new area of certification/endorsement while he/she simultaneously fulfills the requirements to earn the new certificate/endorsement. With the CTE Alternative Authorization in place, salary-apportionment funding for the applicable assignments will not be withheld. The Alternative Authorization will only cover the areas of certification/endorsement for which the authorization is applied and approved.

7. When a district/charter is applying for an alternative authorization, how does one know which certificate/endorsement to request on the application for the alternative authorization?

The district/charter should use the IDCTE Assignment Credential Manual to determine which certificate/endorsement to request on the application for the alternative authorization. Currently certified educators can request to have an endorsement added but may need to be on an alternative authorization to allow time to meet the current standards for the endorsement.

8. Who is responsible for maintaining the IDCTE Assignment Credential Manual?

The Idaho Division of Career Technical Education educator certification team is responsible for the CTE Assignment Credential Manual.

Idaho Division of Career Technical Education educator certification and program quality staff can provide technical assistance to Local Education Agencies (LEA) regarding misalignments (a.k.a. assignment deficiencies). Please reach out to us!

Assignment Codes by Cluster and Program Pathway

AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)

AFNR Cluster

<p>180010 Introduction to Agriculture Education A course surveying a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills. <i>This course will, with LEA approval, fulfill the speech graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180015 Introduction to Natural Resources and Ecosystem Services A course that will provide the foundation for courses in the Natural Resources pathway, including Natural Resources, Fish and Wildlife Science, Range Science, Environmental Science, and Forestry Science. Students will understand principles of ecology and natural resources, the relationship between natural resources and ecosystem services, and the role ecosystem services play in various aspects of agricultural production.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180040 Agricultural Biology A course designed to examine the importance of plant and animal cell structure, functions of the cells, plant and animal processes, heredity and genetics, and the basic factors that affect life and quality relating to agriculture and natural resources. The course provides contextual, inquiry-based instruction with</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12)</p>

	experimental design and research-based projects in the areas of zoology, botany and ecology with specific emphasis based on the needs of the local school district. <i>This course will, with LEA approval, fulfill a science graduation requirement.</i>	9921 CTE - Agriculture Science and Technology (6-12)
180050	Environmental Science A course that provides science instruction and practical experiences in environmental science including agricultural/industrial chemical issues, habitat preservation/restoration, remediation of damaged resources, conservation practices and current environmental issues.	0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180051	Introduction to Environmental Science Technology A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics and creative designing to industry standards. Students will be given a variety of skills development situations in which they will be required to solve problems relating to water, ground and air contaminations or abnormalities. A strong science background is suggested prior to enrollment. Basic instrument and tool use will be provided, along with computer/instrumentation applications and applied physical and chemical science laboratory exercises. <i>This course will, with LEA approval, fulfill a science graduation requirement.</i>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180052	Environmental Sciences Technology Applications This course is offered for a full year and introduces students to the multitude of scenarios of hazardous material conditions which exist in the nation's waterways, soil, and air. Air and water pollution examples will be studied, and models of controlling pollution or contamination will be examined.	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180510	Introduction to Agricultural Plant Industry A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insets and chemicals.	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180511	Science of Plant Growth and Development A course designed to examine the importance of plant cell structure, functions of cells, plant processes, nonvascular plants, vascular plants, roots, stems, leaves, flowers and reproduction of plants. <i>This course will, with LEA approval, fulfill a science graduation requirement.</i>	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180512	Applied Crop Management	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12)

<p>A course that prepares students to operate enterprises concerned with the production of various field crops.</p>	<p>0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant and Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180520 Landscape Design A course that prepares students to design, construct, and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180521 Floral Design and Marketing A course designed to develop skills in floriculture and the techniques used to develop and complete a variety of retail items normally sold in a retail florist business. The skills learned are necessary to gain and maintain employment in the retail florist industry.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180522 Advanced Floral Design and Marketing A course designed to enhance skills in floriculture and the techniques used to develop and complete a variety of retail items normally sold in a retail florist business and expand to include specialty materials for weddings, funerals, and similar special occasions. Business and inventory skills and well as job shadowing components will be required. The skills learned are necessary to gain and maintain employment in the retail florist industry.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180523 Applied Greenhouse and Nursery Management A course designed to prepare students in greenhouse and nursery operation and management.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

<p>181010 Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.</p>	<p>0108 CTE OS – Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181013 Applied Livestock Management A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181017 Science of Animal Reproduction A course of study which provides learning experiences in the subject matter relating to anatomy and physiology of animal reproduction. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181020 Small Animal Care A course that focuses on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy, physiology, facilities, handling and training, and grooming are typical areas of study. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181040 Equine Science A course of instruction designed to provide science and practical management instruction in the care of horses. The applied science curriculum component has a focus on physiology, anatomy, nutrition, genetics, health and reproduction. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181041 Advanced Equine Science The second course of instruction designed to provide science and practical management instruction in the care of horses. This applied science curriculum component extends instruction in the physiology, anatomy, nutrition, genetics, health and reproduction of the equine species. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

<p>181050 Veterinary Science A course of designed to impart information about the causes, diagnosis, and treatment of diseases and injuries in animals, typically emphasizing domestic and farm animals. Business management and interpersonal skills required for a successful veterinary practice will also be emphasized. <i>This course fulfills, with LEA approval, the science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181070 Science of Animal Nutrition A course of study designed to provide learning experiences for students in the areas of animal nutrition and physiology. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182010 Agribusiness Management and Marketing A course designed to introduce the student to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. <i>This course fulfills, with LEA approval, the economics and financial literacy graduation requirement.</i></p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182012 Agricultural Sales A course designed to develop skills in preparing, developing, and practicing agribusiness sales competencies. The skills learned are necessary to gain and maintain employment in the wholesale/retail agriculture sales field.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182020 Experiential Learning and SAE Programs This course addresses the role of experiential learning in Agricultural Education programs. The emphasis of the course will be to provide students with supervised experience in agriculture. Record keeping skills will be developed to assist the student in planning, decision-making, and reporting.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182030 Personal Skill Development A comprehensive course in developing agricultural leadership, citizenship, and cooperation. It includes topics in personal development, employee/employer relations, and group and individual interpersonal communications skills. <i>This course fulfills, with LEA approval, the economics and financial literacy graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

<p>182031 Advanced Leadership in Agriculture and Marketing A course designed to develop advanced skills related to agribusiness and marketing focused on customer service and demonstrated leadership in agriculture. <i>This course fulfills, with LEA approval, the speech graduation requirement.</i></p>	<p>0109 CTE OS - Ag Business Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182040 Agricultural Economics A course designed to introduce the student to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, record keeping, finance, decision making, risk management, business law, marketing, and careers in agribusiness. <i>This course fulfills, with LEA approval, the economics and financial literacy graduation requirement.</i></p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183060 Aquaculture Science A course that provides science instruction and practical applications of science principles in the context of fish production. It focuses on such issues as water quality, nutrition, health, and aquatic environments and the plants and animals that live in water. Opportunities are provided for laboratory experiences related to aquaculture. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183080 Ag Biotechnology A course designed to explore a variety of technology applications that are used to modify living organisms in the areas of plant and animal science, plant and animal health, environmental science, and food science. <i>This course fulfills, with LEA approval, the science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183081 Food Science An applied science course in the science of food production, processing, transporting, storage, toxicology, and quality control. Students apply the scientific method of discovery as they study the biological and chemical basis of food preparation, processing, and preservation. Students develop writing and critical thinking skills through data collection, laboratory procedures, science-based experimentation, and written lab reports. This course focuses primarily on the food processing industry and may be used as a companion course to the Family and Consumer Sciences course in Food Science. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production. <i>This assignment code will be removed from the Agriculture Food Science & Processing pathway in FY26 as IDCTE looks to streamline pathway offerings. Standards for the course will still be taught at the intermediate level and local level content should not be affected by the assignment code change. Please contact AFNR Program Quality Manager with questions.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

<p>184010 Introduction to Agricultural Mechanics This course provides students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>184011 Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.</p>	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>184012 Agricultural Power Technology - Large Engines A course designed to develop skills in selection, operation and maintenance of multicylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>184013 Agricultural Systems/Electricity and Hydraulics A course designed to develop skills in selection, operation and maintenance of multicylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>184014 Agricultural Machinery A course designed to develop skills in selection, operation, maintenance, and management of agricultural machinery.</p>	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>184015 Agricultural Structures A course preparing students to maintain, evaluate, design, and build agriculture structures using approved construction techniques.</p>	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>184040 Agricultural Welding A course designed to develop skills in Arc and Oxy-Acetylene welding as well as implement advanced fabrication and manufacturing technology practices.</p>	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>184042 Agricultural Power Technology A course designed to develop skills in selection, operation and maintenance of small, air-cooled engines, multi-cylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

<p>184043 Agricultural Fabrication A course to develop skills in metal equipment assembly and joining processes.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185021 Forestry Science A course designed to introduce students to the biological, environmental, and ecological concepts encountered in a temporal forest environment. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185053 Forestry and Wildlife Management A course designed to examine the importance of forestry, wildlife, and outdoor recreation with emphasis on efficient use of natural resources.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185054 Fish and Wildlife Science A course designed to examine the importance of fish and wildlife science, outdoor recreation, and natural resources. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185056 Advanced Forestry Science This course is a companion course to Botany/Forestry Science. It provides an advanced level of instruction in the biological, environmental, and ecological concepts that are encountered in a temporal forest environment. Botany/Forestry Science should be taken as a prerequisite course to provide fundamental instruction in the forestry sequence. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185057 Range Science A course designed to acquaint students with principles of conservation, natural resources, ecology, and range science. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>221520 Strategies for Success A course of study which helps to orient students to the world of work and school. Ideally, this course is offered in the ninth and tenth grades as it addresses the needs of students to develop good work and study habits, helps students to prepare portfolios, learn about school resources, develop career plans, start preparing for college and develop solid interpersonal skills, with an emphasis on</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

communication and building self-esteem. BPA (Business Professionals of America), DECA (Marketing CTSO), FCCLA (Family, Community and Career Leaders of America), FFA (Agriculture Education CTSO), or TSA (Technology Student Association) leadership activities are strongly tied to this course. BPA, DECA, FCCLA, FFA, or TSA activities should be integrated into this course.

Agribusiness Pathway

<p>180510 Introduction to Agricultural Plant Industry A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insects and chemicals.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant and Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181010 Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12)</p>

	0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock. <i>This course fulfills, with LEA approval, a science graduation requirement.</i>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182010 Agribusiness Management and Marketing A course designed to introduce the student to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, recordkeeping, finance, risk management, business law, marketing, and careers in agribusiness.	0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182011 CAPSTONE: Agricultural Business and Economics A course extending the students' understanding of agribusiness management in the free enterprise system. This course encompasses topics included in the Agribusiness Management and Marketing course, incorporating decision making to deepen understanding and experience. <i>This course fulfills, with LEA approval, the economics and financial literacy graduation requirement.</i>	0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182012 Agricultural Sales A course designed to develop skills in preparing, developing, and practicing agribusiness sales competencies. The skills learned are necessary to gain and maintain employment in the wholesale/retail agriculture sales field.	0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182031 Advanced Leadership in Agriculture and Marketing A course designed to develop advanced skills related to agribusiness and marketing focused on customer service and demonstrated leadership in agriculture. <i>This course fulfills, with LEA approval, the speech graduation requirement.</i>	0109 CTE OS - Ag Business Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182480 Work Based Learning - Agribusiness/Economics This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain	0099 CTE OS - Work Based Learning Coordinator (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12)

<p>employment. The Work Based learning (WBL) placement must specifically align to the Agribusiness pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
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Agriculture Food Science and Processing Pathway

<p>180010 Introduction to Agriculture Education A course surveying a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills. <i>This course fulfills, with LEA approval, the speech graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant and Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12)</p>

	<p>0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183050 Sanitation in Food Processing A course focusing on all dynamic and ongoing functions and operations to prevent contamination beginning with receiving of ingredients through processing and distribution.</p>	<p>0140 CTE OS - Food Science and Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183052 Introduction to Equipment in Food Processing A course introducing students to the various pieces of equipment found in a food processing plant and how it works. This class will explain the mechanics of how these various pieces of equipment function in a food processing facility.</p>	<p>0140 CTE OS - Food Science and Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183056 CAPSTONE: Standards of Food Science and Processing Technology This course is the capstone course for the Food Science and Processing Technology Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. Additionally, this course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.</p>	<p>0140 CTE OS - Food Science and Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183080 Ag Biotechnology A course designed to explore a variety of technology applications that are used to modify living organisms in the areas of plant and animal science, plant and animal health, environmental science, and food science. <i>This course fulfills, with LEA approval, the science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183081 Food Science An applied science course in the science of food production, processing, transporting, storage, toxicology and quality control. Students apply the scientific method of discovery as they study the biological and chemical basis of food preparation, processing and preservation. Students develop writing and critical thinking skills through data collection, laboratory procedures, science-based</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

<p>experimentation, and written lab reports. This course focuses primarily on the food processing industry and may be used as a companion course to the Family and Consumer Sciences course in Food Science. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	
<p>183480 Work Based Learning - Food Science and Processing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Food Science pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Agriculture Leadership and Communications Pathway

<p>180010 Introduction to Agriculture Education A course surveying a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills. <i>This course fulfills, with LEA approval, the speech graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12)</p>

	<p>0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180040 Agricultural Biology A course designed to examine the importance of plant and animal cell structure, functions of the cells, plant and animal processes, heredity and genetics, and the basic factors that affect life and quality relating to agriculture and natural resources. The course provides contextual, inquiry-based instruction with experimental design and research-based projects in the areas of zoology, botany and ecology with specific emphasis based on the needs of the local school district. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant and Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180523 Applied Greenhouse and Nursery Management A course designed to prepare students in greenhouse and nursery operation and management.</p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181010 Introduction to Livestock Industry</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12)</p>

<p>A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181013 Applied Livestock Management A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182020 Experiential Learning and SAE Programs This course addresses the role of experiential learning in Agricultural Education programs. The emphasis of the course will be to provide students with supervised experience in agriculture. Record keeping skills will be developed to assist the student in planning, decision-making, and reporting.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182030 Personal Skill Development A comprehensive course in developing agricultural leadership, citizenship, and cooperation. It includes topics in personal development, employee/employer</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12)</p>

<p>relations, and group and individual interpersonal communications skills. <i>This course fulfills, with LEA approval, the economics and financial literacy graduation requirement.</i></p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182032 CAPSTONE: Principles of Agricultural Communications and Leadership This course prepares individuals to serve in leadership and communication roles in agriculture. Course topics will include an examination of the journalistic, communication and broadcasting principles to develop and disseminate agricultural information, along with leadership principles related to leadership theory and personal leadership development. <i>This course fulfills, with LEA approval, the speech graduation requirement.</i></p>	<p>0109 CTE OS - Ag Business Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182481 Work Based Learning - Agriculture Communications and Leadership This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Agriculture Communications and Leadership pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0109 CTE OS - Ag Business Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183081 Food Science An applied science course in the science of food production, processing, transporting, storage, toxicology, and quality control. Students apply the scientific method of discovery as they study the biological and chemical basis of food preparation, processing, and preservation. Students develop writing and critical thinking skills through data collection, laboratory procedures, science-based experimentation, and written lab reports. This course focuses primarily on the food processing industry and may be used as a companion course to the Family and Consumer Sciences course in Food Science. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184010 Introduction to Agricultural Mechanics Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12)</p>

<p>repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	<p>0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
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Agriculture Mechanics and Power Systems Pathway

<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production. <i>This assignment code will be removed from the Agriculture Food Science & Processing pathway in FY26 as IDCTE looks to streamline pathway offerings. Standards for the course will still be taught at the intermediate level and local level content should not be affected by the assignment code change. Please contact AFNR Program Quality Manager with questions.</i></p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184010 Introduction to Agricultural Mechanics This course provides students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12)</p>

<p>machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	<p>0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184011 Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184012 Agricultural Power Technology - Large Engines A course designed to develop skills in selection, operation and maintenance of multicylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184013 Agricultural Systems/Electricity and Hydraulics A course designed to develop skills in operation of tools and equipment, wiring, controls, electric motors, and hydraulics.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184014 Agricultural Machinery A course designed to develop skills in selection, operation, maintenance, and management of agricultural machinery.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184017 CAPSTONE: Standards of Agricultural Mechanics and Power Systems This is the capstone course for the Agriculture Mechanics and Power Systems Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. The course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184040 Agricultural Welding A course designed to develop skills in Arc and Oxy-Acetylene welding as well as implement advanced fabrication and manufacturing technology practices.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184042 Agricultural Power Technology A course designed to develop skills in selection, operation and maintenance of small, air-cooled engines, multi-cylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184480 Work Based Learning - Agriculture Mechanics and Power Systems This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

employment. The Work Based learning (WBL) placement must specifically align to the Agriculture Mechanics and Power Systems pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.

Agriculture Small Engine Repair Pathway

<p>184010 Introduction to Agricultural Mechanics Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184011 Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184012 Agricultural Power Technology - Large Engines A course designed to develop skills in selection, operation and maintenance of multicylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184014 Agricultural Machinery A course designed to develop skills in selection, operation, maintenance and management of agricultural machinery.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184016 CAPSTONE: Advanced Small Gasoline Engines A course designed to cover the theory of operation along with actual hands-on experience. Students will demonstrate applied techniques in the repair and maintenance of 2- and 4-cycle small engines.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184042 Agricultural Power Technology</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

<p>A course designed to develop skills in selection, operation and maintenance of small, air-cooled engines, multi-cylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	
<p>184481 Work Based Learning - Agriculture Small Engine Repair/Power Sports This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Agriculture Small Engine Repair/Power Sports pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Agriculture Welding Pathway

<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184010 Introduction to Agricultural Mechanics Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12)</p>

<p>repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	<p>0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184040 Agricultural Welding A course designed to develop skills in Arc and Oxy-Acetylene welding as well as implement advanced fabrication and manufacturing technology practices.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184041 CAPSTONE: Advanced Agricultural Welding A course designed to reinforce foundational process skills in Arc and Oxy-Acetylene welding as well as implement advanced fabrication and manufacturing technology practices.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184043 Agricultural Fabrication A course to develop skills in metal equipment assembly and joining processes.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184482 Work Based Learning - Agriculture Welding This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Agriculture Welding pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Animal Science Pathway

<p>181010 Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12)</p>
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	9921 CTE - Agriculture Science and Technology (6-12)
<p>181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>181013 Applied Livestock Management A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.</p>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>181017 Science of Animal Reproduction A course of study which provides learning experiences in the subject matter relating to anatomy and physiology of animal reproduction. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>181018 CAPSTONE: Standards of Agricultural Animal Science The capstone course for the Agriculture Animal Science Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. Additionally, this course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.</p>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>181020 Small Animal Care A course that focuses on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy, physiology, facilities, handling and training, and grooming are typical areas of study. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
<p>181040 Equine Science A course of instruction designed to provide science and practical management instruction in the care of horses. The applied science curriculum component has a focus on physiology, anatomy, nutrition, genetics, health and reproduction. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

<p>181041 Advanced Equine Science The second course of instruction designed to provide science and practical management instruction in the care of horses. This applied science curriculum component extends instruction in the physiology, anatomy, nutrition, genetics, health, and reproduction of the equine species. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181050 Veterinary Science A course of designed to impart information about the causes, diagnosis, and treatment of diseases and injuries in animals, typically emphasizing domestic and farm animals. Business management and interpersonal skills required for a successful veterinary practice will also be emphasized. <i>This course fulfills, with LEA approval, the science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181070 Science of Animal Nutrition A course of study designed to provide learning experiences for students in the areas of animal nutrition and physiology. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181480 Work Based Learning - Animal Science This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Animal Science pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183060 Aquaculture Science A course that provides science instruction and practical applications of science principles in the context of fish production. It focuses on such issues as water quality, nutrition, health, and aquatic environments and the plants and animals that live in water. Opportunities are provided for laboratory experiences related to aquaculture. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production. <i>This assignment code will be removed from the Agriculture Food Science & Processing pathway in FY26 as IDCTE looks to streamline pathway offerings. Standards for the course will still be taught at the intermediate level and local level content should not be affected by the assignment code change. Please contact AFNR Program Quality Manager with questions.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Ecology and Natural Resource Management Pathway

<p>180010 Introduction to Agriculture Education A course surveying a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills. <i>This course fulfills, with LEA approval, the speech graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180015 Introduction to Natural Resources and Ecosystem Services A course that will provide the foundation for courses in the Natural Resources pathway, including Natural Resources, Fish and Wildlife Science, Range Science, Environmental Science, and Forestry Science. Students will understand principles of ecology and natural resources, the relationship between natural resources and ecosystem services, and the role ecosystem services play in various aspects of agricultural production.</p>	<p>0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180050 Environmental Science A course that provides science instruction and practical experiences in environmental science including agricultural/industrial chemical issues, habitat</p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12)</p>

<p>preservation/restoration, remediation of damaged resources, conservation practices and current environmental issues. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180051 Introduction to Environmental Science Technology A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics and creative designing to industry standards. Students will be given a variety of skills development situations in which they will be required to solve problems relating to water, ground and air contaminations or abnormalities. A strong science background is suggested prior to enrollment. Basic instrument and tool use will be provided, along with computer/instrumentation applications and applied physical and chemical science laboratory exercises. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180052 Environmental Sciences Technology Applications This course is offered for a full year and introduces students to the multitude of scenarios of hazardous material conditions which exist in the nation's waterways, soil, and air. Air and water pollution examples will be studied, and models of controlling pollution or contamination will be examined.</p>	<p>0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180053 Advanced Environmental Science Technology Applications Students will be involved in examining and studying existing pollution and contamination solutions in area industries. Single family, community, and industry applications of models to prevent contamination and pollution of soil, water, and air will be presented to students. On-site industry and field experiences will be an integral component of this course. This course should be offered as a multiple period block for a full year.</p>	<p>0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production. <i>This assignment code will be removed from the Agriculture Food Science & Processing pathway in FY26 as IDCTE looks to streamline pathway offerings. Standards for the course will still be taught at the intermediate level and local level content should not be affected by the assignment code change. Please contact AFNR Program Quality Manager with questions.</i></p>	<p>0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185021 Forestry Science A course designed to introduce students to the biological, environmental and ecological concepts encountered in a temporal forest environment. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

<p>185040 CAPSTONE: Natural Resource Science A course designed to teach the concepts of conservation, natural resources, ecology, and fish/ wildlife science.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185053 Forestry and Wildlife Management A course designed to examine the importance of forestry, wildlife, and outdoor recreation with emphasis on efficient use of natural resources.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185054 Fish and Wildlife Science A course designed to examine the importance of fish and wildlife science, outdoor recreation, and natural resources. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185056 Advanced Forestry Science An advanced course designed to further the students understanding of biological, environmental and ecological concepts encountered in a temporal forest environment. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185057 Range Science A course designed to acquaint students with principles of conservation, natural resources, ecology, and range science. <i>This course fulfills, with board approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185482 Work Based Learning - Ecology and Natural Resource Management This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Ecology and Natural Resource Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Ornamental Horticulture Pathway

<p>180510 Introduction to Agricultural Plant Industry A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insets and chemicals.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant and Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180520 Landscape Design A course that prepares students to design, construct, and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180521 Floral Design and Marketing A course designed to develop skills in floriculture and the techniques used to develop and complete a variety of retail items normally sold in a retail florist</p>	<p>0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12)</p>

<p>business. The skills learned are necessary to gain and maintain employment in the retail florist industry.</p>	<p>0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180522 Advanced Floral Design and Marketing A course designed to enhance skills in floriculture and the techniques used to develop and complete a variety of retail items normally sold in a retail florist business and expand to include specialty materials for weddings, funerals, and similar special occasions. Business and inventory skills and well as job shadowing components will be required. The skills learned are necessary to gain and maintain employment in the retail florist industry.</p>	<p>0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180523 Applied Greenhouse and Nursery Management A course designed to prepare students in greenhouse and nursery operation and management.</p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180524 CAPSTONE: Standards of Agricultural Ornamental Horticulture This is the capstone course for the Agriculture Ornamental Horticulture Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. The course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180980 Work Based Learning - Ornamental Horticulture This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Ornamental Horticulture pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0109 CTE OS - Ag Business Management (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182012 Agricultural Sales A course designed to develop skills in preparing, developing, and practicing agribusiness sales competencies. The skills learned are necessary to gain and maintain employment in the wholesale/retail agriculture sales field.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6- 12)</p>
<p>182031 Advanced Leadership in Agriculture and Marketing</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0151 CTE OS - Ornamental Horticulture (6-12)</p>

<p>A course designed to develop advanced skills related to agribusiness and marketing focused on customer service and demonstrated leadership in agriculture. <i>This course fulfills, with LEA approval, the speech graduation requirement.</i></p>	<p>9921 CTE - Agriculture Science and Technology (6-12)</p>
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Plant and Soil Pathway

<p>180050 Environmental Science A course that provides science instruction and practical experiences in environmental science including agricultural/industrial chemical issues, habitat preservation/restoration, remediation of damaged resources, conservation practices and current environmental issues. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180510 Introduction to Agricultural Plant Industry A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insets, and chemicals.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180511 Science of Plant Growth and Development A course designed to examine the importance of plant cell structure, functions of cells, plant processes, nonvascular plants, vascular plants, roots, stems, leaves, flowers, and reproduction of plants. <i>This course fulfills, with LEA approval, a science graduation requirement.</i></p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180512 Applied Crop Management A course that prepares students to operate enterprises concerned with the production of various field crops.</p>	<p>0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12)</p>

	0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180513 Plant and Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests. <i>This course fulfills, with LEA approval, a science graduation requirement.</i>	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180514 CAPSTONE: Standards of Agricultural Plant Science The capstone course for the Agriculture Plant Science Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. The course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures. <i>This course fulfills, with LEA approval, a science graduation requirement.</i>	0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180981 Work Based Learning - Plant and Soil This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Plant and Soil pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production. <i>This assignment code will be removed from the Agriculture Food Science & Processing pathway in FY26 as IDCTE looks to streamline pathway offerings. Standards for the course will still be taught at the intermediate level and local level content should not be affected by the assignment code change. Please contact AFNR Program Quality Manager with questions.</i>	0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

BUSINESS AND MARKETING EDUCATION (BME)

Administrative Services Pathway

<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students can earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100051 Business Computer Applications II A course designed to build on the skills and knowledge established in Business Computer Applications I. Information and data management, retrieval, merging, and presentation represent the framework of the course. Topics include an introduction to database applications, the use of word processing software for creating complex business documents and reports, and the use of spreadsheet software for solving mathematically based problems involving business finance. Students can earn Advanced MOS Certifications.</p>	<p>4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102030 Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.</p>	<p>4012 CTE OS - Administrative Services (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120010 Business Essentials This course is an introductory business course providing the framework for all future business courses by acquainting students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and global level. The course covers business management, entrepreneurship, marketing fundamentals, business ethics and law, and personal finance.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120030 CAPSTONE: Business Administration A course designed to provide students project-based application of essential business and marketing competencies. The course demonstrates proficiency in the following areas: leadership, accounting principles, technology, salesmanship, marketing/entrepreneurship, general business principles, business law, human</p>	<p>4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>relations skills, public speaking, business communications, keyboarding skill development, computer applications, career awareness, and job seeking skills.</p>	
<p>120090 Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120480 Work Based Learning - Administrative Services This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Administrative Services pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120540 Business Law and Ethics Applications A course designed to provide students with an overview of civil and criminal law, as it relates to business principles and practices. Topics include ethics, an overview of the legal system, court procedures, criminal/civil justice systems, oral and written contracts, and consumer protection.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE OS - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120552 Business Management A course designed to introduce students to essential business and marketing competencies required for business operations. Units of instruction include general business and management principles, leadership, salesmanship, marketing/entrepreneurship, public speaking, and the use of accounting information for making business decisions.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121013 Personal Business Finance A course designed to provide students personal finance skills and knowledge; to include goal setting, budgeting, saving, investing, borrowing, insuring, identity protection and retirement planning. <i>This course fulfills, with LEA approval, the Personal Finance graduation requirement.</i></p>	<p>4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12)</p>

<p>records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121640 Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121670 Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined. <i>This course fulfills, with LEA approval, the Personal Finance graduation requirement.</i></p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129998 Business Math A course designed to provide students with an understanding of essential business mathematical concepts. Basic math and algebraic operations as well as statistical procedures are used to analyze and solve realistic business and money management problems. <i>This course fulfills, with LEA approval, the Personal Finance graduation requirement.</i></p>	<p>4012 CTE OS - Administrative Services (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

Applied Accounting Pathway

<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students can earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
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<p>120010 Business Essentials This course is an introductory business course providing the framework for all future business courses by acquainting students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and global level. The course covers business management, entrepreneurship, marketing fundamentals, business ethics and law, and personal finance.</p>	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>121013 Personal Business Finance A course designed to provide students personal finance skills and knowledge; to include goal setting, budgeting, saving, investing, borrowing, insuring, identity protection and retirement planning. <i>This course fulfills, with LEA approval, the Personal Finance graduation requirement.</i></p>	4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.</p>	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>121041 CAPSTONE: Accounting II Accounting II reinforces and expands the basic principles and procedures learned in Accounting I. Accounting II may include software applications.</p>	4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
<p>121042 Computerized Accounting A course designed for students to study accounting principles as they relate to the understanding of financial records for a business using industry-standard software. Students can earn QuickBooks Certification.</p>	4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
<p>121043 Excel for Accounting This course is designed to provide the student experience in applying accounting knowledge and skills to Microsoft Excel. Topics covered include Excel basics, using formulas (beginning, intermediate and advanced), formatting, template tutorial, working with tables, data analysis features, automating repetitive tasks, importing, exporting, and distributing data, customizing, financial accounting, management accounting, financial statements, inventory, payroll, depreciation, amortization, cost of goods manufactured, job order cost accounting, process costing, and cost-volume profit analysis. The applications will be done on a computer.</p>	4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)

<p>121110 Forensic Accounting and Fraud Investigation Solve financial crimes as part of an investigative team. Learn to look for fraud clues in financial statements, identify red flags that indicate fraud, process evidence from financial crime scenes, and spot when someone is lying! Learn the entry-level basics of accounting along the way to finding interesting and new career opportunities in the forensic accounting field.</p>	<p>4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121480 Work Based Learning - Applied Accounting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Applied Accounting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4077 CTE OS - Applied Accounting (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>

BME Cluster

<p>100010 Computer Technology I A course designed to focus on the study of computer systems and application software. The influences of computers on societal issues are presented especially in the areas of security, privacy, computer crime and viruses. A broad array of computer applications is surveyed in context to how they help solve personal, business, and societal problems.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100011 Computer Technology II A course designed to focus on the study of computer hardware and operating systems. This course elaborates on skills and issues included in Computer Technology I.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students can earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>100051 Business Computer Applications II A course designed to build on the skills and knowledge established in Business Computer Applications I. Information and data management, retrieval, merging, and presentation represent the framework of the course. Topics include an introduction to database applications, the use of word processing software for creating complex business documents and reports, and the use of spreadsheet software for solving mathematically based problems involving business finance. Students can earn Advanced MOS Certifications.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100052 Business Computer Applications III A course designed to build on the skills and knowledge established in Business Computer Applications II. Solving business problems that require advanced use and integration of productivity applications for data management, data analysis, and information presentation represent the framework of the course. The course includes an examination of career and industry certification opportunities as they relate to the skills and knowledge acquired. Students can earn MOS Expert Certification.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100510 Information Technology A course designed to provide students with an understanding of voice and data communication networks and components necessary for information systems' maintenance. Students will become familiar with hardware and software utilities used to install, upgrade and problem solve various types of operating systems' problems.</p>	<p>4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100520 Computer Science-Database Design and Programming This course is an authorized AP College Board course; teachers must be authorized to teach the course through the AP College Board. Upon completion of the course, students will be able to pass the AP College Board Exam for Computer Science A or Computer Science AB. For complete details regarding AP Board Approval of the Teacher and the curriculum go to: http://apcentral.collegeboard.com.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>101480 Advanced Networking A course designed for students to develop skills and competencies for the installation and maintenance of computer equipment in the district, community and industry using cable, fiber optics, and wireless communication. Students will connect users to computer systems, keep documentation on network performance and install upgrades when necessary. A personal code of ethics for information use and management will be established.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>101520 Computer Programming and Software Development I</p>	<p>9093 CTE - Business Technology Education (6-12)</p>

<p>A course designed to introduce students to computer science through programming concepts, and skills. Students will learn how to design, enter, compile, run and debug programs and gain an understanding of how to break up large programming tasks into small, solvable parts to create effective working programs across a variety of platforms.</p>	
<p>101521 Computer Programming and Software Development II A course designed to build on the skills and knowledge established in Computer Programming and Software Development I.</p>	9093 CTE - Business Technology Education (6-12)
<p>102010 Web Design I - Introduction to XHTML and XML A course designed to allow students to develop Web pages utilizing HTML, XHTML, CSS, and XML basic web coding. This course is an entry-level course intended as a prerequisite for advanced Web design courses. This course is designed to provide students with vocabulary and concepts required to develop a website. Students will be introduced to industry standard Web design software and be ready to advance to Web Design II, where students will use advanced Web authoring tools. Students can earn Adobe Certification in Dreamweaver.</p>	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
<p>102011 Web Design II - Web Site Authoring Tools A course designed to emphasize planning and publishing dynamic, professional web sites using industry standard web design authoring tools. Students will learn to create and incorporate special effects, photographs, icons, quality animations, and other graphics suitable for web deployment. An in-depth application of editing software and advanced coding applications will be the focus of this course. Students can earn Advanced Adobe Certification in Dreamweaver.</p>	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
<p>102030 Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.</p>	4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>102532 Technology Assistant Internship A course designed to allow students to practice skills learned in the initial levels of the program by performing the duties of an assistant to the system operator of a computer network or technology center. Duties will be performed in conjunction with adults in the school district. Skills to be learned and reinforced would include installing, maintaining and troubleshooting equipment. In addition, the student would be responsible for providing training and in-service on appropriate equipment to all school personnel, develop communication linkages, and serve as system technician.</p>	6153 CTE OS - Network and Computer Support (6-12) 9093 CTE - Business Technology Education (6-12)
<p>102560 Computer Design and Networking</p>	9093 CTE - Business Technology Education (6-12)

<p>A course designed to examine computer design, assembly, and maintenance, as well as develop foundational computer networking competencies; to include a study of appropriate procedures for working with hubs, switches, and routers. Students will learn associated workplace skills including inventory tracking, scheduling, component research and acquisition, and related business procedures.</p>	
<p>110550 Interactive Media - Video I A course designed to provide in-depth knowledge of audio-visual production equipment and processes. Students will be introduced to video editing skills and techniques for planning, designing, and developing video. Skills to be obtained are file management, audio, and video capturing, adding events to timelines, editing multiple video tracks, transitions, voice over production, and key framing. Students can earn Adobe Certification in Premiere.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>110551 Interactive Media - Video II A course designed to build on the skills and knowledge established in Interactive Media I. Soundtrack creation, multiple camera editing, story line development, and advanced video capturing represent the framework for this course. Skills to be learned include masking, editing, and special FX and DVD authoring. Culminating activities include integrating acquired skills and abilities with school, business, or community needs. Students can earn Advanced Adobe Certification in Premiere.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>111040 Publishing I This course emphasizes design principles for the creation of advertising and publishing materials, and techniques for efficient planning and documenting projects, and utilizing the most appropriate software for the task at hand. This course incorporates the full print production Adobe Suite: InDesign, Photoshop, Illustrator, and Acrobat to complete typical industry projects using best practices for efficient production. Students can earn Adobe Certification.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>111041 Publishing II A course designed to build on the skills acquired in Publishing I. Students plan, design, and develop complex documents and develop enhanced graphics while using journalistic principles and design concepts to communicate the intended message of the publication. Concepts addressing print publication requirements (CMYK, spot colors, bleed, creep, etc.) and Web publication requirements (RGB, font issues, etc.) are studied. Documents will be finalized and ready for commercial printing. Students can earn Advanced Adobe Certification.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>111530 Interactive Media - Graphics I A course designed to allow students to develop skills in formatting and editing raw visual layouts and illustrations using appropriate print, 3D, and animation</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>software. Skills to be acquired include mapping, lighting, camera techniques, animation planning, and storyboard development. Emphasis is placed on preparing materials to web/print industry standards. Students have an opportunity to earn Adobe Certification in Photoshop and Illustrator.</p>	
<p>111534 Interactive Media - Graphics II A course designed to focus on project-based applications of concepts addressed in Media: Graphics I. The projects may integrate skills with school, business, or community needs. Students have an opportunity to earn Advanced Adobe Certification in Photoshop and Illustrator.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120010 Business Essentials This course is an introductory business course providing the framework for all future business courses by acquainting students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and global level. The course covers business management, entrepreneurship, marketing fundamentals, business ethics and law, and personal finance.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120021 Office Technologies A course designed to provide students with the procedures and skills necessary for the operation of a modern business office. The course includes integration of concepts into realistic simulations and incorporation of computers as they relate to the typical tasks in a modern business. Students study emerging technologies and concepts that will allow them to function effectively in a high-tech environment.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120090 Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120540 Business Law and Ethics Applications A course designed to provide students with an overview of civil and criminal law, as it relates to business principles and practices. Topics include ethics, an overview of the legal system, court procedures, criminal/civil justice systems, oral and written contracts, and consumer protection.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 9092 CTE OS - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120552 Business Management A course designed to introduce students to essential business and marketing competencies required for business operations. Units of instruction include</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>general business and management principles, leadership, salesmanship, marketing/entrepreneurship, public speaking, and the use of accounting information for making business decisions.</p>	
<p>120560 International Business and Marketing A course designed to provide students an introduction to international business and marketing. Topics will include exporting and importing basics, international economics and finance, distribution, laws and regulations, entrepreneurship, trade documentation, and employability skills.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120990 Leadership in Business and Marketing This course prepares individuals to serve in leadership and communication roles in business and marketing. Course topics will include project management development, financial management of a business and marketing organization, team management, dealing with change, ethics, time management, effective communication, diversity, decision-making, and personal leadership development. BPA (Business Professionals of America) and DECA leadership activities are strongly tied to this course.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121011 Financial Services This course can be offered either as a one or two-semester course to be given in either the ninth or tenth grade as a means of introducing students to the various sectors of the financial services industry. The objective of this course is to help students learn about both the nature of the careers found in a particular sector and the scope of the work that comprises businesses such as insurance, real estate, public finance, accounting, and the securities industry. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121012 Banking and Finance Services A course designed to examine the principles and practices of financial institutions. Students will demonstrate skills and knowledge in money management, personal finance, investment and stock market strategies, institutions' operations and procedures, the Federal Reserve System, and credit functions and operations. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121013 Personal Business Finance A course designed to provide students personal finance skills and knowledge; to include goal setting, budgeting, saving, investing, borrowing, insuring, identity protection and retirement planning. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121020 Banking and Credit</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>A course presenting a survey of the principles and practices of banking and credit in the U.S. Students learn about the major functions of banks and other depository institutions, their in-house operations and procedures, central banking through the Federal Reserve System and modern trends in the banking industry. The credit component provides an overview of credit functions and operations including credit risk evaluation, loan creation and debt collection. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	
<p>121030 Financial Planning and Financial Operations A course that introduces the students to the financial planning process and the components of a comprehensive financial plan. The students learn how to prepare a financial plan that includes saving, investing, borrowing, risk management (insurance), and retirement and estate planning. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121042 Computerized Accounting A course designed for students to study accounting principles as they relate to the understanding of financial records for a business using industry-standard software. Students have the opportunity to earn QuickBooks Certification.</p>	<p>9093 CTE - Business Technology Education (6-12)</p>
<p>121050 Economics and the World of Finance A course covering macro and micro-economics which provides an understanding of how our market economy functions in a global setting. It provides students with a survey of economic concepts including all of the basic principles recommended by the National Council on Economic Education. In addition, a unit on capital markets acquaints the students with the role that various markets and securities play in the U.S. Economy. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121060 Principles of Insurance A course designed to introduce students to insurance products, rate-setting, insurance regulations and careers in the industry.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121110 Forensic Accounting and Fraud Investigation Solve financial crimes as part of an investigative team. Learn to look for fraud clues in financial statements, identify red flags that indicate fraud, process</p>	<p>9093 CTE - Business Technology Education (6-12)</p>

<p>evidence from financial crime scenes, and spot when someone is lying! Learn the entry-level basics of accounting along the way to finding interesting and new career opportunities in the forensic accounting field.</p>	
<p>121490 International Finance A course that introduces the students to the financial planning process and the components of a comprehensive financial plan. The students learn how to prepare a financial plan that includes saving, investing, borrowing, risk management (insurance), and retirement and estate planning. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>9093 CTE - Business Technology Education (6-12)</p>
<p>121530 Fashion Merchandising and Marketing A course designed to provide an introduction and overview of the international business industry of Fashion Design and Merchandising including apparel and accessories marketing. Students will learn about the major components of the industry including fashion design, apparel classifications, and accessories. Additionally, students will learn about marketing strategies in fashion.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121610 Retail Merchandising A course designed to develop an understanding of the basic principles of product acquisition, pricing, inventory management, visual merchandising and advertising.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121620 E-Commerce A course designed to provide students with an understanding of the concepts and skills necessary for conducting e-business. Students will develop an understanding of the economic, social, legal and ethical issues related to e-business. Skill development in creating and publishing Web pages and using the Internet for research, decision making, and business communication are emphasized.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121630 Sports and Entertainment Marketing A course designed to allow students to develop an understanding of the concepts and theories that apply to sports and entertainment marketing. This course covers basic marketing concepts such as target marketing and segmentation, sponsorship, event management/marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. Students taking sports and entertainment marketing will have the opportunity to participate in DECA.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121640 Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>121650 Principles of Promotion A course designed to provide students with an understanding of basic marketing principles and strategies used to promote products and services that satisfy customers' needs and wants. The course will focus on identifying and analyzing principles of product benefits and features, advertising strategies, promotion/display, store layout, and personal selling.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121660 Principles of Management A course designed to focus on accomplishing the goals of an organization through the effective use of people and other resources. The functions of management are discussed and analyzed. Role playing, case analysis, guest lecturers and assignments are used to bring together the total management function.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121670 Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121671 Digital Marketing Prerequisite: Intro to Marketing, Web Design I, Graphic Design I and/or Video I The Digital Marketing course is designed to give students a general background in digital marketing and an introduction to the rapidly growing and evolving career field. Students will be exposed to the fundamental concepts and principles of the digital experience, learning tools and skills necessary for solving business problems, and developing marketing opportunities. This course will provide practical experience in, but not limited to e-commerce, media planning, branding, online advertising, display advertising, digital campaigns, social media marketing, and mobile media. BPA (Business Professionals of America) and DECA leadership activities are strongly tied to this course.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121981 Marketing School-Based Enterprise A course which provides students with the opportunity to work in the school store lab and experience the various responsibilities of operating a business.</p>	<p>1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129985 Marketing Research A course designed to introduce students to the marketing research process including research design, field work, data collection, and finding and presenting results. The curriculum has a strong project-based learning structure and may work in conjunction with DECA students who are interested in completing marketing research projects for State and National level competition. This course provides excellent preparation for college.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>129998 Business Math A course designed to provide students with an understanding of essential business mathematical concepts. Basic math and algebraic operations as well as statistical procedures are used to analyze and solve realistic business and money management problems. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>160550 Hospitality Management I A course designed to provide students with the skills and knowledge in the areas of hospitality Management. In this course, students will understand and apply event planning, lodging management and project management principles.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>161511 Travel and Tourism A course of study which introduces the travel and tourism industry. Students are given an overview of the various components of the industry, a history of the industry, an introduction to marketing and to the various exciting careers available in travel and tourism. Students also engage in a case study of their own city and study the latest trends which are impacting on the way people travel both for leisure and for business.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>161521 Promoting Hospitality and Tourism This course will offer marketing students an opportunity to further explore the travel and tourism industry. Students will take a deeper dive into understanding the ways travel and tourism is currently marketed and can begin to develop their own campaign to promote travel and tourism opportunities in Idaho. Students will have an opportunity to present their campaign to destination staff.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>161522 Travel and Tourism II: Travel as a Business A course of study which provides students with a more in-depth study of components of the travel and tourism industry. Through an examination of the airline, hotel, cruise line and other industries within hospitality and travel, students can explore the various career opportunities and trends which are affecting each component of this vast industry.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>161530 Geography for Travel and Tourism A course of study which is geared at having students develop broad geographic skills. In addition to learning how to utilize the basic tools of the geographer, students learn how economics, culture, history and political issues all impact upon geography and how geography impacts upon these other disciplines.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>221520 Strategies for Success A course of study which helps to orient students to the world of work and school. Ideally, this course is offered in the ninth and tenth grades as it addresses the</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

needs of students to develop good work and study habits, helps students to prepare portfolios, learn about school resources, develop career plans, start preparing for college and develop solid interpersonal skills, with an emphasis on communication and building self-esteem. BPA (Business Professionals of America), DECA (Marketing CTSO), FCCLA (Family, Community and Career Leaders of America), FFA (Agriculture Education CTSO), or TSA (Technology Student Association) leadership activities are strongly tied to this course. BPA, DECA, FCCLA, FFA, or TSA activities should be integrated into this course.

Business Management Pathway

General Route Option

<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students have the opportunity to earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 6154 CTE OS – Networking Support (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100051 Business Computer Applications II A course designed to build on the skills and knowledge established in Business Computer Applications I. Information and data management, retrieval, merging, and presentation represent the framework of the course. Topics include an introduction to database applications, the use of word processing software for creating complex business documents and reports, and the use of spreadsheet software for solving mathematically based problems involving business finance. Students have the opportunity to earn Advanced MOS Certifications.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120010 Business Essentials This course is an introductory business course providing the framework for all future business courses by acquainting students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and global level. The course covers business management, entrepreneurship, marketing fundamentals, business ethics and law, and personal finance.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12)</p>

		9093 CTE - Business Technology Education (6-12)
120090 Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.		1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4022 CTE OS – Business Digital Communications (6-12) 4077 CTE OS – Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120530 CAPSTONE: Business Ownership and Entrepreneurship A course designed for students to expand their knowledge of business/marketing principles related to ownership and management of a business, traits and characteristics of successful entrepreneurs, and strategies of business management and marketing. The development of a business plan related to the students’ area of entrepreneurial interest is a course objective. Students may earn ESB Certification.		4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120540 Business Law and Ethics Applications A course designed to provide students with an overview of civil and criminal law, as it relates to business principles and practices. Topics include ethics, an overview of the legal system, court procedures, criminal/civil justice systems, oral and written contracts, and consumer protection.		1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE OS - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120552 Business Management A course designed to introduce students to essential business and marketing competencies required for business operations. Units of instruction include general business and management principles, leadership, salesmanship, marketing/entrepreneurship, public speaking, and the use of accounting information for making business decisions.		1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120560 International Business/Marketing A course designed to provide students an introduction to international business and marketing. Topics will include exporting and importing basics, international economics and finance, distribution, laws and regulations, entrepreneurship, trade documentation, and employability skills.		1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120980 Work Based Learning - Business Management This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain		0099 CTE OS - Work Based Learning Coordinator (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)

<p>employment. The Work Based learning (WBL) placement must specifically align to the Business Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	
<p>120991 Supply Chain Logistics Supply chain logistics represents the oversight of materials, information, and finances as they move from supplier to manufacturer, to wholesaler, to retailer, and to consumer known as "the chain." Students can learn the importance of purchasing, logistics, warehousing, inventory, and more.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121013 Personal Business Finance A course designed to provide students personal finance skills and knowledge; to include goal setting, budgeting, saving, investing, borrowing, insuring, identity protection and retirement planning. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121640 Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121670 Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

High School of Business (HSB) Option

<p>120980 Work Based Learning - Business Management</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12)</p>
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<p>This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.</p> <p>This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Business Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129990 HSB Leadership 9th Grade, One Semester (With HSB Wealth Management, this course is a prerequisite course for remainder of HSB courses) Leadership, a project-based leadership course, develops student understanding and skills in such areas as communication skills, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. To encourage immediate implementation of leadership skills, Leadership utilizes an on-going service-learning project for course delivery and reinforcement. The course content is sequenced for students to identify, plan, implement, and evaluate a service-learning project based on the needs of their community/school. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an ongoing component of the course. NOTE: This course is to be delivered only in an approved High School of Business program.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129991 HSB Wealth Management 9th Grade, One Semester (With HSB Leadership, this course is a prerequisite course for remainder of HSB courses) This project-based financial literacy and investment course develops student understanding and skills in such areas as personal finance, types of investments, the stock market, and stock valuation. Students acquire an understanding and appreciation of the need for personal financial management and investing. To encourage immediate implementation of financial literacy and investment skills, Wealth Management utilizes an on-going investment project for course delivery and reinforcement. The course content is sequenced for students to develop a diversified, balanced investment portfolio based both on their interest in products and companies and on fundamental analysis. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. NOTE: This course is to be delivered only in an approved High School of Business program.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129992 HSB Principles of Business Recommend 10th Grade, One Semester</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>Principles of Business, a project-based business course, develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of three projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course. NOTE: This course is to be delivered only in an approved High School of Business program.</p>	
<p>129993 HSB Business Economics Recommend 10th Grade, One Semester; Prerequisite: HSB Principles of Business In Business Economics, a project-based business course, students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, government policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Decision matrices are introduced, and the importance and costs of quality are stressed. Students develop their knowledge and skills in such areas as economics, entrepreneurship, operations, and professional development. Throughout the course, students will be presented with current economic problems for which they are asked to determine solutions, often through the application of decision matrices. NOTE: This course is to be delivered only in an approved High School of Business program. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129994 HSB Principles of Marketing Recommend 11th Grade, One Semester; Prerequisites: Principles of Business and Business Economics Principles of Marketing is a project-based business course that develops student understanding and skills in the functional areas of marketing: channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues. Decision matrices are employed to aid in market planning. NOTE: This course is to be delivered only In an approved High School of Business program.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129995 HSB Principles of Finance</p>	<p>9092 CTE - Marketing Technology Education (6-12)</p>

<p>Recommend 11th or 12th Grade, One Semester; Prerequisites: Principles of Business and Business Economics</p> <p>Principles of Finance furthers student understanding of two specific business activities—accounting and finance—that were introduced in an earlier High School of Business course, Principles of Business. Through multiple projects, students make connections between accounting, with an emphasis on cash flow, and finance, with an emphasis on decision-making. Students acquire an understanding of financial statements, calculate financial ratios, and make business decisions based on their interpretation of those financial statements and ratios. In addition, students determine business-financing options, as well as develop an appreciation for types of financial service providers and financial markets. Decision matrices are employed to aid in financial planning. NOTE: This course is to be delivered only in an approved High School of Business program. This course fulfills, with LEA approval, the personal finance graduation requirement.</p>	<p>9093 CTE - Business Technology Education (6-12)</p>
<p>129996 HSB Principles of Management</p> <p>Recommend 11th or 12th Grade, One Semester; Prerequisites: Principles of Business and Business Economics</p> <p>Principles of Management is a project-based business course that expands student understanding of management. Students acquire an appreciation for aspects of management, such as project management, human resources management, knowledge management, quality management, and risk management. In addition, ethical and legal considerations affecting business activities are stressed, and students develop managerial and supervisory skills through interaction with lower grade-level High School of Business™ students. Decision matrices are employed to aid in management planning. NOTE: This course is to be delivered only in an approved High School of Business program.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129997 CAPSTONE: HSB Business Strategies</p> <p>Prerequisites: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, and Principles of Management</p> <p>Business Strategies serves as the capstone course for the High School of Business™ program. Students employ their decision matrices to finalize marketing, financial, and management plans developed previously, incorporating them into a business plan for a non-profit organization. The non-profit venture is actualized during the course, requiring students to engage in risk assessment, strategic planning, and performance assessment. NOTE: This course is to be delivered only in an approved High School of Business program.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

Digital Communications Pathway

<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students can earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 6154 CTE OS - Networking Support (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102010 Web Design I - Introduction to XHTML and XML A course designed to allow students to develop Web pages utilizing HTML, XHTML, CSS, and XML basic web coding. This course is an entry-level course intended as a prerequisite for advanced Web design courses. This course is designed to provide students with vocabulary and concepts required to develop a website. Students will be introduced to industry standard Web design software and be ready to advance to Web Design II, where students will use advanced Web authoring tools. Students can earn Adobe Certification Dreamweaver.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102011 Web Design II - Web Site Authoring Tools A course designed to emphasize planning and publishing dynamic, professional web sites using industry standard web design authoring tools. Students will learn to create and incorporate special effects, photographs, icons, quality animations, and other graphics suitable for web deployment. An in-depth application of editing software and advanced coding applications will be the focus of this course. Students can earn Advanced Adobe Dreamweaver Certification.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102014 CAPSTONE: Business Digital Communications A capstone course designed to integrate knowledge from Graphic Design, Video Editing and Web Design to develop thorough incorporation of sales, marketing and customer interfaces. Students will increase their knowledge of design, visual communication, and professional communication in the world of business. Students can earn Advanced Adobe Certification.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102030 Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102480 Work Based Learning - Business Digital Communications</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4022 CTE OS - Business Digital Communications (6-12)</p>

<p>This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.</p> <p>This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Business Digital Communications pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>110550 Interactive Media - Video I A course designed to provide in-depth knowledge of audio-visual production equipment and processes. Students will be introduced to video editing skills and techniques for planning, designing and developing video. Skills to be obtained are file management, audio and video capturing, adding events to timelines, editing multiple video tracks, transitions, voice over production, and key framing. Students can earn Adobe Certification in Premiere.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>110551 Interactive Media - Video II A course designed to build on the skills and knowledge established in Interactive Media I. Soundtrack creation, multiple camera editing, story line development, and advanced video capturing represent the framework for this course. Skills to be learned include masking, editing, and special FX and DVD authoring. Culminating activities include integrating acquired skills and abilities with school, business or community needs. Students have the opportunity to earn Advanced Adobe Certification in Premiere.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>111040 Publishing I This course emphasizes design principles for the creation of advertising and publishing materials, and techniques for efficient planning and documenting projects, and utilizing the most appropriate software for the task at hand. This course incorporates the full print production Adobe Suite: InDesign, Photoshop, Illustrator, and Acrobat to complete typical industry projects using best practices for efficient production. Students can earn Adobe Certification.</p>	<p>4012 CTE OS - Administrative Services (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>111041 Publishing II A course designed to build on the skills acquired in Publishing I. Students plan, design, and develop complex documents and develop enhanced graphics while using journalistic principles and design concepts to communicate the intended message of the publication. Concepts addressing print publication requirements (CMYK, spot colors, bleed, creep, etc.) and Web publication requirements (RGB, font issues, etc.) are studied. Documents will be finalized and ready for commercial printing. Students can earn Advanced Adobe Certification.</p>	<p>4012 CTE OS - Administrative Services (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>111530 Interactive Media - Graphics I A course designed to allow students to develop skills in formatting and editing raw visual layouts and illustrations using appropriate print, 3D, and animation software. Skills to be acquired include mapping, lighting, camera techniques, animation planning, and storyboard development. Emphasis is placed on preparing materials to web/print industry standards. Students can earn Adobe Certification in Photoshop and Illustrator.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>111534 Interactive Media - Graphics II A course designed to focus on project-based applications of concepts addressed in Media: Graphics I. The projects may integrate skills with school, business or community needs. Students can earn Advanced Adobe Certification in Photoshop and Illustrator.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120090 Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

Hospitality Management Pathway

<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students can earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 6154 CTE OS - Networking Support (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102030 Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>120010 Business Essentials This course is an introductory business course providing the framework for all future business courses by acquainting students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and global level. The course covers business management, entrepreneurship, marketing fundamentals, business ethics and law, and personal finance.</p>	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>120090 Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.</p>	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>120540 Business Law and Ethics Applications A course designed to provide students with an overview of civil and criminal law, as it relates to business principles and practices. Topics include ethics, an overview of the legal system, court procedures, criminal/civil justice systems, oral and written contracts, and consumer protection.</p>	1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9093 CTE - Business Technology Education (6-12)
<p>120552 Business Management A course designed to introduce students to essential business and marketing competencies required for business operations. Units of instruction include general business and management principles, leadership, salesmanship, marketing/entrepreneurship, public speaking, and the use of accounting information for making business decisions.</p>	1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>120991 Supply Chain Logistics Supply chain logistics represents the oversight of materials, information, and finances as they move from supplier to manufacturer, to wholesaler, to retailer, and to consumer known as "the chain." Students can learn the importance of purchasing, logistics, warehousing, inventory, and more.</p>	1087 CTE OS - Hospitality Management (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
<p>121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting</p>	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12)

<p>profession and/or preparation for further study in accounting. Accounting I may include software applications.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121640 Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121670 Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>160550 Hospitality Management I A course designed to provide students with the skills and knowledge in the areas of hospitality Management. In this course, students will understand and apply event planning, lodging management and project management principles.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>160551 CAPSTONE: Hospitality Management II A capstone course designed to provide students with the essential skills and knowledge in hospitality management. In this course, students will learn and apply facilities operations management, project management, hospitality marketing, and the overall management of the hospitality industry. Students will have the opportunity engage in Work Based learning experience in the hospitality management career field. Students have an opportunity to earn HTMP Certification.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>160981 Work Based Learning - Hospitality Management This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Hospitality Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 1087 CTE OS - Hospitality Management (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>161511 Travel and Tourism A course of study which introduces the travel and tourism industry. Students are given an overview of the various components of the industry, a history of the</p>	<p>1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

<p>industry, an introduction to marketing and to the various exciting careers available in travel and tourism. Students also engage in a case study of their own city and study the latest trends which are impacting on the way people travel both for leisure and for business.</p>	
<p>161521 Promoting Hospitality and Tourism This course will offer marketing students an opportunity to further explore the travel and tourism industry. Students will take a deeper dive into understanding the ways travel and tourism is currently marketed and can begin to develop their own campaign to promote travel and tourism opportunities in Idaho. Students will have an opportunity to present their campaign to destination staff.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>161522 Travel and Tourism II: Travel as a Business A course of study which provides students with a more in-depth study of components of the travel and tourism industry. Through an examination of the airline, hotel, cruise line and other industries within hospitality and travel, students can explore the various career opportunities and trends which are affecting each component of this vast industry.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>161530 Geography for Travel and Tourism A course of study which is geared at having students develop broad geographic skills. In addition to learning how to utilize the basic tools of the geographer, students learn how economics, culture, history and political issues all impact upon geography and how geography impacts upon these other disciplines.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

Marketing Pathway

<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students can earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 6154 CTE OS - Networking Support (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102030 Introduction to Interactive Media</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12)</p>

<p>A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.</p>	<p>9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120010 Business Essentials This course is an introductory business course providing the framework for all future business courses by acquainting students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and global level. The course covers business management, entrepreneurship, marketing fundamentals, business ethics and law, and personal finance.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120090 Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4022 CTE OS – Business Digital Communications (6-12) 4077 CTE OS – Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120560 International Business and Marketing A course designed to provide students an introduction to international business and marketing. Topics will include exporting and importing basics, international economics and finance, distribution, laws and regulations, entrepreneurship, trade documentation, and employability skills.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS – Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120561 CAPSTONE: Business Marketing A capstone focused on the business and marketing world of finance, economics, law, management, entrepreneurship, and marketing and trade.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS – Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120991 Supply Chain Logistics Supply chain logistics represents the oversight of materials, information, and finances as they move from supplier to manufacturer, to wholesaler, to retailer, and to consumer known as "the chain." Students can learn the importance of purchasing, logistics, warehousing, inventory, and more.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12)</p>

<p>profession and/or preparation for further study in accounting. Accounting I may include software applications.</p>	<p>4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121530 Fashion Merchandising and Marketing A course designed to provide an introduction and overview of the international business industry of Fashion Design and Merchandising including apparel and accessories marketing. Students will learn about the major components of the industry including fashion design, apparel classifications, and accessories. Additionally, students will learn about marketing strategies in fashion.</p>	<p>1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121610 Retail Merchandising A course designed to develop an understanding of the basic principles of product acquisition, pricing, inventory management, visual merchandising, and advertising.</p>	<p>1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121630 Sports and Entertainment Marketing A course designed to allow students to develop an understanding of the concepts and theories that apply to sports and entertainment marketing. This course covers basic marketing concepts such as target marketing and segmentation, sponsorship, event management/marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. Students taking sports and entertainment marketing will have the opportunity to participate in DECA.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121640 Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121650 Principles of Promotion A course designed to provide students with an understanding of basic marketing principles and strategies used to promote products and services that satisfy customers' needs and wants. The course will focus on identifying and analyzing principles of product benefits and features, advertising strategies, promotion/display, store layout, and personal selling.</p>	<p>1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121670 Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined. <i>This course fulfills, with LEA approval, the personal finance graduation requirement.</i></p>	<p>1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12)</p>

<p>121671 Digital Marketing Prerequisite: Intro to Marketing, Web Design I, Graphic Design I and/or Video I The Digital Marketing course is designed to give students a general background in digital marketing and an introduction to the rapidly growing and evolving career field. Students will be exposed to the fundamental concepts and principles of the digital experience, learning tools and skills necessary for solving business problems, and developing marketing opportunities. This course will provide practical experience in, but not limited to e-commerce, media planning, branding, online advertising, display advertising, digital campaigns, social media marketing, and mobile media. BPA (Business Professionals of America) and DECA leadership activities are strongly tied to this course.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121980 Work Based Learning - Marketing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Marketing pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>121981 Marketing School-Based Enterprise A course which provides students with the opportunity to work in the school store lab and experience the various responsibilities of operating a business.</p>	<p>1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129985 Marketing Research A course designed to introduce students to the marketing research process including research design, field work, data collection, and finding and presenting results. The curriculum has a strong project-based learning structure and may work in conjunction with DECA students who are interested in completing marketing research projects for State and National level competition. This course provides excellent preparation for college.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

ENGINEERING AND TECHNOLOGY EDUCATION (ETE)

Commercial Photography Pathway

<p>110520 Photography Level I A course designed to introduce students to basic commercial photography.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>110521 Photography Level II A course designed to provide students with commercial photography applications.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>110522 CAPSTONE: Photography Level III A course designed to provide students with teamwork, creative thinking, problem solving, diagnostics and creative designing to industry standards.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>111533 Media Technologies Fundamentals This course is designed to provide the fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)</p>
<p>111982 Work Based Learning - Digital Media Technology Commercial Photography This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Digital Media Technology - Commercial Photography pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6192 CTE OS - Commercial Photography (6-12) 7016 CTE - Career Counselor (6-12)</p>

Computer Support Pathway

<p>100030 Fundamentals of Information Systems Technology This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting, and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS – Programming and Software Development (6-12) 6159 CTE OS – Web Design and Development (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100480 Work Based Learning - Computer Support This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Computer Support pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>102530 Desktop Support I Students will plan, design, administer and troubleshoot a variety of instances of application systems including, but not limited to database, desktop o/s support, and various applications support utilizing existing business o/s and programs in a variety of hardware settings.</p>	<p>6153 CTE OS - Network and Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>
<p>102531 CAPSTONE: Desktop Support II Students must design and show application/operating system administration for a business or industry area problem. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.</p>	<p>6153 CTE OS - Network and Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>
<p>102540 Computer Support Essentials This course maps to CompTIA A+ computer maintenance and repair industry outcomes. Students may choose to sit for the A+ certification. This course must be taken in either the Network Support Program or Information Support and Services Program.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>

Cybersecurity Pathway

<p>103020 Introduction to Cybersecurity and Digital Citizenship This optional course exposes students to the opportunities available in the cybersecurity and raises awareness of the role of computing in the world today. Students will be introduced to a variety of job opportunities related to cybersecurity as well as concepts and hands-on labs to increase awareness of this field. This course emphasizes responsibilities, qualifications, threat analysis, attacks, and potential career paths.</p>	<p>6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>103021 Cybersecurity I This is the first course in a three-course pathway. This course introduced students to broad topics related to cybersecurity. Topics include risk and threat analysis, online and physical device security and personal data security.</p>	<p>6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>103022 Cybersecurity II This is the second course in a three-course pathway. This intermediate course will explore threats and vulnerabilities and how to handle such incidents. Students will engage in hands-on activities throughout this course.</p>	<p>6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>103023 CAPSTONE: Cybersecurity III This is the third course in a three-course pathway. This course will build upon a student’s knowledge of analyzing threats and vulnerabilities and introduce them to how it can impact computer networks. Students will work to gain entry level skills, as well as prepare to earn relevant industry certifications.</p>	<p>6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>109981 Work Based Learning - Cybersecurity This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Cybersecurity pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS – Work Based Learning Coordinator 6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 7016 CTE - Career Counselor (6-12) 9400 CTE – Computer Science (6-12)</p>

Digital Media Production Pathway

<p>111030 Broadcast/Video Technologies Level I A course designed to introduce students to the basic concepts of the broadcast technology field.</p>	<p>6197 CTE OS - Digital Media Production (6-12)</p>
<p>111031 Broadcast/Video Technologies Level II A course designed to cover the technical aspects of the broadcast field, audio and video equipment usage.</p>	<p>6197 CTE OS - Digital Media Production (6-12)</p>
<p>111032 CAPSTONE: Broadcast/Video Technologies Level III A course designed to provide students with opportunities to produce, direct, host, and write programs to be aired on commercial and public media.</p>	<p>6197 CTE OS - Digital Media Production (6-12)</p>
<p>111533 Media Technologies Fundamentals This course is designed to provide the fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)</p>
<p>111981 Work Based Learning - Digital Media Technology Broadcasting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Digital Media Technology - Broadcasting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6197 CTE OS - Digital Media Production (6-12) 7016 CTE - Career Counselor (6-12)</p>

Drafting and Design Pathway

<p>211021 Drafting I An entry level course in communications systems which addresses the concepts needed to transfer ideas to easily understood graphic languages, designs or drawings. The use of drawing tools, including mechanical devices and industry standard computer software, are essential for student studies. Each of the major areas of drafting and design should be explored on an introductory level.</p>	<p>6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)</p>
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<p>211022 Drafting II This course is a continuation of Drafting I. This course provides intermediate CAD (Computer-Aided Drafting) students with advanced techniques and processes related to the various drafting and design industries. Areas of study include the development of advanced CAD and sketching Skills and either mechanical or architectural drafting and design concepts. The appropriate use of technology and industry-standard equipment is an integral part of this course.</p>	<p>6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)</p>
<p>211023 CAPSTONE: Drafting III This course is a continuation of Drafting II. This course provides advanced CADD (Computer-Aided Drafting and Design) students with instruction in advanced techniques and processes. The students will continue to develop all skills learned in Drafting and Design I and II. Areas of study include either mechanical or architectural drafting and design concepts. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.</p>	<p>6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)</p>
<p>211025 3D Solid Modeling Learning 3D design is an interactive process. Students learn best when they can explore the practical applications of the concepts that they learn. This STEM course has many activities and exercises that enable students to put design concepts into practice. Students create their ideas such as artificial heart components, extreme sports equipment, hip replacement parts, robotic arm components, musical instruments and their parts as well as many others. Ideas become reality in this course.</p>	<p>6130 CTE OS - Drafting and Design (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>211480 Work Based Learning - Drafting and Design This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Drafting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6130 CTE OS - Drafting and Design (6-12) 7016 CTE - Career Counselor (6-12)</p>

ETE Cluster

<p>100130 PLTW Computer Science Essentials Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science A exam, PLTW Computer Science A (formerly known as PLTW Computer Science Applications) course focuses on extending students' computational thinking skills through the use of various industry-standard programming and software tools. In these courses, students collaborate to design and produce solutions to real-life problems.</p>	<p>9400 CTE – Computer Science (6-12)</p>
<p>100140 PLTW Computer Science A Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science A exam, PLTW Computer Science A (formerly known as PLTW Computer Science Applications) course focuses on extending students' computational thinking skills through the use of various industry-standard programming and software tools. In this course, students collaborate to design and produce solutions to real-life problems.</p>	<p>9400 CTE – Computer Science (6-12)</p>
<p>100150 PLTW Computer Science Principles Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science Principles exam, PLTW Computer Science Principles (formerly known as PLTW Computer Science and Software Engineering) course is designed to help students develop computational thinking and introduce students to possible career paths involving computing. This course helps students build programming expertise and familiarity with the Internet using multiple platforms and programming languages. Course content may include application development, visualization of data, cybersecurity, and simulation.</p>	<p>9400 CTE – Computer Science (6-12)</p>
<p>100160 PLTW Cybersecurity Following Project Lead the Way's suggested curriculum, PLTW Cybersecurity course introduces students to the tools and concepts of cybersecurity. In this course, students are encouraged to understand vulnerabilities in computational resources and to create solutions that allow people to share computing resources while retaining privacy. This course also introduces students to issues related to ethical computing behavior.</p>	<p>9400 CTE – Computer Science (6-12)</p>
<p>100190 Computer Science I AP® Computer Science Principles - Computer Science I introduces students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. This course teaches students to apply creative designs and innovative solutions when developing computational artifacts. This course</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 9400 CTE – Computer Science (6-12)</p>

<p>covers such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.</p>	
<p>100191 Computer Science II AP® Computer Science Principles - Computer Science II introduces students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. This course teaches students to apply creative designs and innovative solutions when developing computational artifacts. This course covers such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 9400 CTE - Computer Science (6-12)</p>
<p>100192 Computer Science III AP® Computer Science Principles - Computer Science III introduces students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. This course teaches students to apply creative designs and innovative solutions when developing computational artifacts. This course covers such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 9400 CTE - Computer Science (6-12)</p>
<p>100470 Computer Science Advanced Studies This course is offered to students who have achieved all content standards in a program and whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 9400 CTE OS - Computer Science (6-12)</p>
<p>110010 Communication Systems I Communication Systems I is a comprehensive course designed for a broad approach to the field of study. This is a course designed to develop an understanding of contemporary communication principles and devices. Students develop graphic and electronic communication projects through the use of various media. Activities typically include engineering and technical concepts of sketching, drafting, screen printing, computer-assisted graphics, technical presentations, photography, audio, and video production. Students learn to apply the elements of good design to communication products.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>110020 Communication Systems II Communication Systems II is a comprehensive course designed for a broad approach to the field of study and uses the skills and insights gained from Communication Systems I. Students develop detailed and integrated</p>	<p>9981 CTE - Technology Education (6-12)</p>

<p>communication projects and concepts. Students produce a variety of technical presentations using telecommunications, computer applications, graphics, and photography. This course is designed for students planning to enter business, education, marketing, sales, and advertising or planning to major in science, engineering, or technical fields related to communications.</p>	
<p>110552 Video Editing Technology This course is offered to students who wish to pursue careers in the broadcast industry and related telecommunications fields. Students will be required to make videos and edit the material to make a comprehensive presentation on specific topics. Common recording and digital applications will be studied with specific emphasis on commercial applications. The course may involve preparing video for sporting events, drama, and closed-circuit television broadcasts. Story boarding and script development are integral components of the course.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>111535 Digital Imaging Technology This course is offered to students who wish to pursue careers in the field of photography and computer graphics. Studies will include the design and manipulation of images to develop communications media and productions. Still and motion images will be developed, printed, copied, edited and/or projected in a studio environment or presentation format. Emphasis will be placed on industrial applications of digital imagery.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>130020 Manufacturing Systems I Manufacturing Systems I is a comprehensive course involving a multitude of applications in the manufacturing fields and is designed for a broad approach to the field of study. A course designed for students to study general concepts and principles of manufacturing systems. Working individually and in teams, students design products, develop and conduct market surveys, develop financial and personnel strategies, advertise, market, and produce products using contemporary manufacturing methods. The course is designed for students interested in product design, creative problem solving, creation of prototypes, computer-assisted design and manufacturing, basic entrepreneurial skills, and engineering concepts.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>130021 Manufacturing Systems II Manufacturing Systems II is a comprehensive course involving a multitude of applications in the manufacturing fields and is designed for a broad approach to the field of study and to build on the knowledge and skills gained from Manufacturing Systems I. Students pursue more detailed and integrated manufacturing and production projects and will study and design manufacturing systems. Students continue to use creative problem-solving skills, design tools and processes, and apply manufacturing techniques with increasing sophistication. Projects are designed and produced using computer-assisted manufacturing</p>	<p>9981 CTE - Technology Education (6-12)</p>

<p>applications, computer numerically controlled machines and robotics. This course has been developed for students pursuing careers in manufacturing as a designer, drafter, industrial manager, technician, or engineer.</p>	
<p>170020 Construction Systems I Construction Systems I is a comprehensive course involving a multitude of applications in the construction field and is designed for a broad approach to the field of study. The course is designed to introduce classical and contemporary elements, principles, and processes of structural systems. Architectural and engineering subjects are studied through research, design, project development and assessment. Students explore the relationship of materials, form, function, and culture of notable past and present structures through practical applications and modeling techniques.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>170021 Construction Systems II Construction Systems II is a comprehensive course involving a multitude of applications in the construction fields and is designed for a broad approach to the field of study. Students of Construction Systems II continue their study of structural systems through research, developing solutions, creating designs, building models, and critiquing their work. Working individually and as team members, students apply the skills and insights from the previous course to pursue progressively demanding concepts and relationships of structural systems. Advanced level students are given greater freedom to explore individual topics of interest within the area of structural systems.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>170070 Introduction to Cabinetry This course is provided as a base level for students interested in careers in construction but more specifically for finish carpentry. Students will be given opportunities to build basic cabinet style models and learn finishing and staining techniques. Projects developed in this class may be craft related and are designed so that students learn how to properly use the equipment commonly found in commercial cabinetmaking businesses.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>170074 Advanced Cabinetry Students taking this course are exposed to advanced woodworking applications and specialized equipment commonly found in industrial shops. Tables, curios, desks, and residential furnishings will be constructed. Specialized finishing techniques will be taught with emphasis on accuracy and detail of the finished product. Design, function, and durability of the product will be established as outcomes for the course.</p>	<p>9981 CTE - Technology Education (6-12)</p>

<p>171060 Introduction to Electronics Technology An entry level course in Power, Energy and Transportation Systems which provides critical information about the vast number of Electrical/Electronic Technological applications important to daily living. Primary instruction will center on the major Laws of electronics with simple circuits and electronic components found in industrial and consumer equipment and appliances. This course provides the flexibility for many laboratory activities that reflect the technical and social nature of our modern society.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>171061 Electronics Applications This is an advanced level course in electronics that covers theory and application of electronic principles and practices. Students will be expected to design, build and troubleshoot circuits and electronic components. Significant laboratory time is required to offer the students the skills necessary to complete advanced level assignments on working models and training devices.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>201010 Power, Energy, and Transportation Systems Power/Energy and Transportation Systems I is a comprehensive course involving a multitude of applications in the transportation, power and energy fields and is designed for a broad approach to the field of study. Students enrolled in this course will explore sources, storage, transportation, consumption, control, environmental impacts, and conservation of power, energy, and transportation. Land, ground effects, water, air, space, and inter-modal transportation systems will be explored with practical activities emphasizing relevant scientific and engineering concepts. Activities include defining problems, designing prototypes, using computer-assisted applications, constructing models, and testing prototypes using appropriate tools such as wind tunnels and performance tests.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>201011 Power, Energy, and Transportation Systems II Power/Energy and Transportation Systems II is an advanced level comprehensive course involving a multitude of applications in the transportation, power and energy fields and is designed for a broad approach to the field of study. Students will continue to build on their knowledge of transportation systems by experimenting with increasingly complex systems and concepts. Guidance, inter-modal and urban transportation systems are explored. Students continue to seek solutions to problems through research and design, prototype development and experimentation. Students perform technological assessments on transportation topics of interest.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>210091 Robotics Applications Advanced level design and applications of robots in industrial and consumer markets will be explored. Students will design multi-level robotic applications for use in manufacturing, transportation, storage and handling, chemical, biological</p>	<p>9981 CTE - Technology Education (6-12)</p>

<p>and other industrial areas. Sophisticated electronic circuitry and advanced type materials and composites will be used in the design and construction of working models. Student will program industrial-type robots and design manufacturing models that will distinguish between materials, shapes, quality, and other characteristics of products to be sorted and stored. Transportation models and consumer robots may be designed and studied as an alternative to manufacturing applications.</p>	
<p>210092 Introduction to Robotics This is an introductory course in the design, use and technology of robots commonly found in industrial and consumer applications. Students will design model robots using mechanical devices and explore computer-controlled applications. Applications of specialized materials and composites will be studied to determine structural and durability characteristics. Electronic components and electro-mechanical devices will be studied and used in model development. Basic programming languages will be introduced.</p>	<p>9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210093 Robotics and Automation Machining made easy! CAMWorks is an easy-to-use intuitive solids-based CAM solution that helps manufacturers increase productivity and profitability through best in-class technologies and adaptable automation tools that maximize machining efficiencies. CAMWorks seamless integration within SolidWorks allows for instant changes from the part to the model and thereby eliminates time consuming CAM system rework due to design updates. CAMWorks thus enabling true associative machining. CAMWorks helps manufacturers across aerospace, automotive, electronics and medical industries optimize and evolve their automation process.</p>	<p>5015 CTE OS – Pre-Engineering Technology (6-12) 9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210520 Advanced Design Applications Advanced Design Applications consists of four units including Manufacturing, Energy and Power, Construction and Transportation. The Manufacturing unit examines the advances that maintain manufacturing efficiency, how human consumption affects manufacturing, how manufacturing affects the standard of living of various peoples, and how processing and changing raw materials can produce more desirable products. The Construction unit examines a number of the factors influencing the design and construction of permanent and semi-permanent structures, the practices related to construction maintenance, alteration, and renovation, and the functions of the primary systems installed in those structures. The Energy and Power unit explores the relationship between energy and power technologies and all other technologies, and how modern energy and power systems impact cultures, societies, and the environment. It also offers an examination of how energy and power systems can be made more efficient and</p>	<p>9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

<p>how they may be utilized in problem solving. The Transportation unit examines the complex networks of interconnected subsystems that each transportation system comprises and the roles of these components in the overall functional process of the system. It also analyzes of the improvements and the impacts of transportation technologies on the environment, society, and culture.</p>	
<p>211020 Introduction to Drafting and Design Technology An entry level course in Communications Systems which addresses the concepts needed to transfer ideas into easily understood graphic languages, designs or drawings. The use of drawing tools, including mechanical devices and computer software, are essential for student studies. Each of the major areas of drafting and design should be explored on an introductory level.</p>	9981 CTE - Technology Education (6-12)
<p>211025 3D Solid Modeling Learning 3D design is an interactive process. Students learn best when they can explore the practical applications of the concepts that they learn. This STEM course has many activities and exercises that enable students to put design concepts into practice. Students create their ideas such as artificial heart components, extreme sports equipment, hip replacement parts, robotic arm components, musical instruments and their parts as well as many others. Ideas become reality in this course.</p>	9981 CTE - Technology Education (6-12)
<p>211030 Introduction to Architectural Design An entry level course in Communications Systems designed to prepare students with basic skills that support the fields of architectural development. Architectural drawings include assignments that relate to residential, light commercial, marine and aerospace-related structures. Course must include the use of computer applications.</p>	9981 CTE - Technology Education (6-12)
<p>211063 Introduction to Mechanical Drafting and Design A course in Manufacturing Systems designed to develop students' basic entry level skills in the development of multi-view and pictorial drawings. Instruction includes work on detailed drawings, gears and cams, sectioning, threads/fasteners and piping. ANSI standards will be incorporated into each assignment. Course must include the use of computer applications.</p>	9981 CTE - Technology Education (6-12)
<p>221520 Strategies for Success A course of study which helps to orient students to the world of work and school. Ideally, this course is offered in the ninth and tenth grades as it addresses the needs of students to develop good work and study habits, helps students to prepare portfolios, learn about school resources, develop career plans, start preparing for college and develop solid interpersonal skills, with an emphasis on communication and building self-esteem. BPA (Business Professionals of</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9400 CTE - Computer Science (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

America), DECA (Marketing CTSO), FCCLA (Family, Community and Career Leaders of America), FFA (Agriculture Education CTSO), or TSA (Technology Student Association) leadership activities are strongly tied to this course. BPA, DECA, FCCLA, FFA, or TSA activities should be integrated into this course.

Graphic Design Pathway

<p>111533 Media Technologies Fundamentals This course is designed to provide the fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)</p>
<p>111540 Graphic Communications Level I This course is designed to introduce students to basic graphic/printing. The course will include digital photo/graphics, and computer graphics.</p>	<p>6190 CTE OS - Graphic Design (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>111541 Graphic Communications Level II A course designed to provide students with graphic printing applications including digital and computerized graphics. Transfer of images from digital processes to paper and other media is included as well as transferring paper images to digital files for modification. Pre-press and copy production skills include set-up, image development, layout, and final draft copy.</p>	<p>6190 CTE OS - Graphic Design (6-12)</p>
<p>111542 CAPSTONE: Graphic Communications Level III A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics, designing, and computer graphics from basic digital images to final print. Students will be provided opportunities to prepare finished products such as newsletters, catalogs, and school publications. All work will be performed to industry standards.</p>	<p>6190 CTE OS - Graphic Design (6-12)</p>
<p>111980 Work Based Learning - Graphic Design This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6190 CTE OS - Graphic Design (6-12) 7016 CTE - Career Counselor (6-12)</p>

the Graphic Design pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.

Journalism Pathway

<p>111010 Journalism Level I An entry level course which provides instruction in the basic skills and techniques needed in the field of journalism. The use of electronic desktop publishing as a means of producing for the journalistic media is explored. The content should include, but not be limited to the following: Recognition of and writing news; development of editorials, sport articles, and feature stories; workshop experience in photography, lay-outs, advertising, printing, and other practical aspects of journalistic enterprise.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12)</p>
<p>111011 Journalism Level II A course which provides students with actual hands-on experiences associated with publishing a tabloid newspaper. Writing, editing, photographic layout, desktop publishing, legal and ethical issues, and business management skills are emphasized. Students perform all the skills necessary to produce a monthly school newspaper. Assignments for video notebooks and or technical writing for the development of technical manuals may be typical assignments.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12)</p>
<p>111012 CAPSTONE: Journalism Level III A course which provides students with actual hands-on experiences associated with producing photographic works for the school and special activities. Creating, editing, photographic layout, desktop publishing and business management skills are emphasized. Students perform all the skills necessary to produce various school photos and/or special projects.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12)</p>
<p>111480 Work Based Learning - Digital Media Technology Journalism This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Digital Media Technology - Journalism pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>111533 Media Technologies Fundamentals</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12)</p>

<p>This course is designed to provide the fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.</p>	<p>6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)</p>
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Network Support Pathway

<p>100030 Fundamentals of Information Systems Technology This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting, and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>101010 Networking Support I This course covers LAN segmentation using routers, basic router configurations, LAN switching theory, virtual LANs, and basic LAN design technologies. The course also introduces WAN theory and design, WAN technology, encapsulation methods, and network troubleshooting. Maps to CCENT and/or CompTIA Network+ industry outcomes.</p>	<p>6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12)</p>
<p>101030 CAPSTONE: Networking Support II This course covers LAN segmentation using routers, advanced router configurations, LAN switching theory, virtual LANs, and advanced LAN design technologies. The course also introduces WAN theory and design, WAN technology, encapsulation methods, and network troubleshooting. Server security. Maps to CCENT and/or CompTIA Network+, Service + industry Outcomes.</p>	<p>6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12)</p>
<p>101481 Work Based Learning - Network Support This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 7016 CTE - Career Counselor (6-12)</p>

<p>the Network Support pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	
<p>102540 Computer Support Essentials This course maps to CompTIA A+ computer maintenance and repair industry outcomes. Students may choose to sit for the A+ certification. This course must be taken in either the Network Support Program or Information Support and Services Program.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>

Pre-Engineering Pathway

Engineering by Design (ITEEA) Option

<p>210030 Fundamentals of Engineering Technology Fundamentals of Technology is a prerequisite course for most of the Technology Education systems. The computer and other electronic devices are necessary for teaching an understanding of contemporary communications, manufacturing, power/energy/transportation, and construction systems. An engineering focus of problem solving requires students to define a given problem, conduct appropriate research, develop solutions to the problem, construct prototypes, and evaluate their work. This course is designed to introduce students to those principles and skills used in subsequent technology courses. Students learn to sketch solutions to problems, create technical drawings and presentations, build models, and apply creative problem-solving methods. Emphasis is placed on accessing and communicating information, using simple and complex tools in a safe manner, and increasing the students' awareness of the historical and contemporary implications of technology. Students are introduced to computer-aided graphics, design software, and computer-aided manufacturing. Students develop an understanding of the tools, techniques, and processes of technology using design principles, computers, problem solving and model making.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210051 Technological Design In Engineering Design, engineering scope, content, and professional practices are presented through practical applications. Students in engineering teams apply technology, science, and mathematics concepts and skills to solve engineering design problems and innovate designs. Students will research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210062 CAPSTONE: ITEEA Engineering Design</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12)</p>

<p>Engineering Design will offer students the opportunity to understand and apply knowledge and skills required to create and transform ideas and concepts into a product that satisfies specific customer requirements. Students will experience design engineering in the creation, synthesis, iteration, and presentation of design solutions. Students will coordinate and interact in authentic ways to produce the form, fit, and function documentation with appropriate models to completely define a product. This course will maintain a focus on how engineers apply their creativity, resourcefulness, mathematical, scientific, and technical knowledge and skills in the creation or refinement of technological products/systems. A key approach will be the employment of a sophisticated, sequential, and iterative design and development process to solve authentic engineering tasks/problems. Students will be challenged to participate as members of engineering teams within a typical business organization. Independent and group work will be reflective of authentic engineering projects found in the designed world. Student performance within this structure will be assessed in numerous and diverse ways. It is important to note that measurement of student performance will be reflective of actual professional engineering evaluative processes currently used in this career field. Both independent and collaborative work will be carefully analyzed as students perform within an authentic engineering enterprise environment. The following major ‘topics’ or ‘chapters’ will be included to organize instruction of appropriate standards and benchmarks and reflect contemporary engineering industry practices: • Principles of Design • Engineering Resources • Engineering Design Process • Project Management.</p>	<p>9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210090 Robotics Engineering Engineering Design builds foundational design skills for students by starting with the most basic sketching applications and ends with advanced assemblies and automated manufacturing machining projects.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210480 Work Based Learning - Pre-Engineering Technology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Pre-Engineering Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 5015 CTE OS - Pre-Engineering Technology (6-12) 7016 CTE - Career Counselor (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210520 Advanced Design Applications Advanced Design Applications consists of four units including Manufacturing, Energy and Power, Construction and Transportation. The Manufacturing unit</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

<p>examines the advances that maintain manufacturing efficiency, how human consumption affects manufacturing, how manufacturing affects the standard of living of various peoples, and how processing and changing raw materials can produce more desirable products. The Construction unit examines a number of the factors influencing the design and construction of permanent and semi-permanent structures, the practices related to construction maintenance, alteration, and renovation, and the functions of the primary systems installed in those structures. The Energy and Power unit explores the relationship between energy and power technologies and all other technologies, and how modern energy and power systems impact cultures, societies, and the environment. It also offers an examination of how energy and power systems can be made more efficient and how they may be utilized in problem solving. The Transportation unit examines the complex networks of interconnected subsystems that each transportation system comprises and the roles of these components in the overall functional process of the system. It also analyzes of the improvements and the impacts of transportation technologies on the environment, society, and culture.</p>	
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Project Lead the Way (PLTW) Option

<p>210050 Principles of Engineering A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210060 Introduction to Engineering Design A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210061 Digital Electronics A course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210064 CAPSTONE: Engineering Design and Development An engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

<p>community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.</p>	
<p>210100 Computer Integrated Manufacturing A course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210120 Civil Engineering and Architecture This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. The course covers topics such as: the roles of Civil Engineers and Architects; project planning; site planning; building design; project documentation; and presentation.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210130 Aerospace Engineering Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity).</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210140 Biotechnical Engineering Relevant projects from the diverse fields of biotechnology, bioengineering, biomedical engineering, and bio-molecular engineering enable students to apply and concurrently develop secondary-level knowledge and skills in biology, physics, technology, and mathematics.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210480 Work Based Learning - Pre-Engineering Technology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Pre-Engineering Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 5015 CTE OS - Pre-Engineering Technology (6-12) 7016 CTE - Career Counselor (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

Programming and Software Development Pathway

<p>100030 Fundamentals of Information Systems Technology This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting, and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 9093 CTE - Business Technology Education (6-12) 9400 CTE - Computer Science (6-12)</p>
<p>100210 Cloud Computing I This course covers the basic understanding of cloud computing. In this course students will learn the basic structure of the cloud, virtual servers, virtual storage, cloud security, databases, and cloud optimization. This course prepares the student for the AWS Cloud Practitioner Certification.</p>	<p>6151 CTE OS - Programming and Web Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 9400 CTE - Computer Science (6-12)</p>
<p>100211 Cloud Computing II This course covers the basic understanding of cloud computing. In this course students will expand their learning in cloud computing. This course will cover shared security; advanced cloud services; dynamic web services; artificial intelligence; machine learning; Internet of things, big data, big data processing; and blockchain/cryptocurrency. This course prepares the student for the AWS Cloud Practitioner Certification.</p>	<p>6151 CTE OS - Programming and Web Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 9400 CTE - Computer Science (6-12)</p>
<p>101522 Programming and Software Development I This course provides the beginning programmer with a solid foundation in programming fundamentals, using visualization and application. Designed for beginners with little or no previous programming experience, this course teaches students the fundamentals behind all programming languages. By putting standard concepts, like input, output, selection, and repetition, at the forefront, students will gain knowledge and insight that is easily transferable to other languages.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6158 CTE OS - Programming and Software Development (6-12) 9400 CTE - Computer Science (6-12)</p>
<p>101523 Programming and Software Development II This course provides the beginning programmer with object-oriented programming concepts. The course reviews basic programming concepts such as structure, decision making, looping, arrays, and method calling and enforces good style and logical thinking. Advanced topics include inheritance, exceptions, GUIs, events, and files.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6158 CTE OS - Programming and Software Development (6-12) 9400 CTE - Computer Science (6-12)</p>
<p>101524 CAPSTONE: Programming and Software Development III</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12)</p>

<p>This course is designed to be a capstone experience for the student where they will apply knowledge and skills learned throughout their course of study as they apply advanced programming and development topics. Students in this course will also investigate current and emerging technologies. This course will also introduce students to Systems Analysis and Design. Topics include analyzing cases, requirements modeling, data and process modeling, and development strategies. Students also learn about output and user interface design, data design, systems architecture and implementation, and systems operation, support and security.</p>	<p>6153 CTE OS - Network and Computer Support (6-12) 6158 CTE OS - Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>101980 Work Based Learning - Programming and Software Development This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Programming and Software Development pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 7016 CTE - Career Counselor (6-12) 9400 CTE – Computer Science (6-12)</p>

Web Design and Development Pathway

<p>100030 Fundamentals of Information Systems Technology This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting, and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS – Programming and Software Development (6-12) 6159 CTE OS – Web Design and Development (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100210 Cloud Computing I This course covers the basic understanding of cloud computing. In this course students will learn the basic structure of the cloud, virtual servers, virtual storage, cloud security, databases, and cloud optimization. This course prepares the student for the AWS Cloud Practitioner Certification.</p>	<p>6151 CTE OS - Programming and Web Technologies (6-12) 6159 CTE OS - Web Design and Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>100211 Cloud Computing II This course covers the basic understanding of cloud computing. In this course students will expand their learning in cloud computing. This course will cover shared security; advanced cloud services; dynamic web services; artificial</p>	<p>6151 CTE OS - Programming and Web Technologies (6-12) 6159 CTE OS - Web Design and Development (6-12) 9400 CTE – Computer Science (6-12)</p>

<p>intelligence; machine learning; Internet of things, big data, big data processing; and blockchain/cryptocurrency. This course prepares the student for the AWS Cloud Practitioner Certification.</p>	
<p>102012 Web Design and Development I Students enrolled in this course will learn the fundamentals of Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) and their vital relationship to each other. Students will distinguish the use of HTML and CSS as to content and presentation. Students will demonstrate knowledge of W3C compliant websites.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12)</p>
<p>102013 Web Design and Development II This course is designed to teach the student the process of creating, designing, and publishing a web page. Web page media will be developed for the World Wide Web using Industry Standard development tools. The course will take the student from the initial design to the launching of the accessible web site.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12)</p>
<p>102015 CAPSTONE: Web Design and Development III Students in this capstone class design, develop, and deploy fully functional eCommerce websites, to create an Internet storefront for small businesses. The client-side is developed as an attractive and functional customer user interface, created with HTML5, CSS3, and JavaScript along with contemporary libraries and frameworks such as JQuery. The server-side is based on a database such as MySQL, which stores logins, customer information, a catalog of products and services, and the other essential information needed for a small business. The client-side and server-side dynamically interact using languages such as PHP and SQL. Students will primarily develop all of this on a LAMP stack (Linux Apache MySQL PHP), or an equivalent such as XAMPP or WAMP, but also be able to explore emerging technologies such as noSQL databases and MEAN stacks.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12)</p>
<p>102481 Work Based Learning - Web Design and Development This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Web Design and Development pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12) 7016 CTE - Career Counselor (6-12)</p>

FAMILY AND CONSUMER SCIENCES and HUMAN SERVICES (FCSHS)

Apparel and Textiles Pathway

<p>192010 CAPSTONE: Fashion/Design and Merchandising This year-long course is the third level of the Apparel/Textiles pathway. This capstone course prepares students for gainful employment and/or entry into postsecondary education in the apparel, fashion, and textiles industry. Content emphasis is on career opportunities; textile and garment design; trends and cycles; manufacturing and production; and business procedures in buying, selling, displaying, publicizing and advertising. Skill development in design, production and alteration will be included. Work Based experiences may be through a school-based enterprise or a community business partner. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to the Apparel/Textiles pathway and should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192011 Fashion and Textiles This course introduces students to the various aspects of fashion, textiles, and garment construction including selection, characteristics, care, and repair techniques. This course reflects on fashion history, exposes students to the science of textiles, and requires students to demonstrate knowledge and skill in various applications of basic design. Students examine the social and psychological aspects of fashion, understanding how acquisition of clothing has changed over time. While Fashion and Textiles provides the preliminary essential component of a program pathway in Apparel/Textiles, coursework is beneficial to students as consumers today and in the future. This course is a prerequisite for Fashion Design and Merchandising. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this pathway, and FCCLA activities should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192012 Fashion Strategies Fashion Strategies prepares individuals to understand the social, psychological, and physiological aspects of apparel and textiles. Focus is on the nature, acquisition, and use of apparel and textile products. Consumer and career information relative to the personal collection, design, knowledge of basic construction and maintenance of apparel and textiles products, and their effect of consumer choices on the individual and family. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192030 Apparel Construction Fundamentals</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12)</p>

<p>This course will provide students with instruction in consumer and industrial machinery to construct garments and products. Instruction will include use, care, and troubleshoot industrial equipment. Students will learn to read commercial and digital patterns, implement construction order of operations, applying hand sewing, and sewing woven and knit fabrics. Course will include strong emphasis on studio etiquette, safety, and organization. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course, and FCCLA activities should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192031 Apparel Design Technology Introduction to digital apparel illustration software including illustration tools, editing and coloring, working in the digital environment, and digital board building. Students learn the apparel design process with software applications, including design boards, line of garments, line presentation, and creation of an online portfolio site. Students will understand and problem solve issues in the apparel and textiles world through hands-on applications using industry related technologies. Fashion and Textiles, and Apparel Construction Fundamentals are prerequisites for this course. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to the Apparel/Textiles pathway and should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192982 Work Based Learning – Apparel and Textiles This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Apparel/Textiles pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

Cosmetology Pathway

<p>191010 Cosmetology I This course is an introduction to the cosmetology industry and its career opportunities. The student will have an opportunity to study the basic elements of hair design, skin and nail care. An emphasis on safety as it relates to the cosmetology industry will be studied. Topics include history and careers, safety and sanitation, scientific concepts, elements of hair design, hair styling, skin care,</p>	<p>6262 CTE OS - Cosmetology (6-12)</p>
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<p>and nail care. SkillsUSA leadership activities are strongly tied to and should be integrated into this course.</p>	
<p>191011 Cosmetology II This course will introduce students to the basic application of cosmetology services and the study of hair chemistry and biology. Students will practice basic hair design techniques and learn the importance of professionalism in the industry. Students will perform services on manikins and in mock scenarios to gain an understanding of the salon communications requirements. Topics include professional image, safety and sanitation, salon-related business skills, physical services, and hair design techniques. SkillsUSA leadership activities are strongly tied to the Cosmetology pathway. SkillsUSA activities should be integrated into this course.</p>	<p>6262 CTE OS - Cosmetology (6-12)</p>
<p>191012 CAPSTONE: Cosmetology III This is the capstone course for the Cosmetology pathway and will provide students with practice in the techniques and concepts learned in prior courses. Students will be introduced to permanent waving chemistry, hair cutting and styling. Students will practice safety and sanitation as it applies to the cosmetology industry and will study the fundamentals of salon business practices and expectations to include safety and sanitation, scientific concepts, salon-related business skills, physical services, chemical services, and hair designing. Students are encouraged to gain industry experience while in this course. Cosmetology III may provide Technical Competency Credit towards a cosmetology program at a postsecondary technical college. SkillsUSA leadership activities are strongly tied to the Cosmetology pathway. SkillsUSA activities should be integrated into this course.</p>	<p>6262 CTE OS - Cosmetology (6-12)</p>
<p>191480 Work Based Learning - Cosmetology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Cosmetology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6262 CTE OS - Cosmetology (6-12) 7016 CTE - Career Counselor (6-12)</p>

Culinary Arts Pathway

<p>160523 Introduction to Culinary Arts A course in professional food preparation with practical applications emphasizing career opportunities, reinforce basic skills, food safety and sanitation, use of commercial equipment, industrial food preparation, business management, food service techniques, and employability skills. Work experiences may be in a school-based enterprise, district food service, local restaurants, or other food production establishments. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this pathway and should be integrated into this course. Food and Nutrition is a prerequisite for this course.</p>	<p>3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>160524 CAPSTONE: Advanced Culinary Arts Advanced Culinary Arts, a year-long course, is the third level of the Culinary Arts pathway and serves as a Career Technical School (CTS) capstone course. This course prepares students for gainful employment and/or entry into postsecondary education in the food production and service industry. Content provides students the opportunity to apply the marketable culinary arts and food service skills they have acquired by assuming increasingly responsible positions, including participation in a cooperative education experience. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to the culinary pathway and should be integrated into this course. Food and Nutrition, and Introduction to Culinary Arts are prerequisite courses. Advanced Culinary Arts may provide Technical Competency Credit towards a Culinary Arts program at a postsecondary technical college.</p>	<p>3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>160530 Foundational Foods Students will learn foundational knowledge and skills linked to the food service/culinary arts industry. This course will include math, reading, problem solving, measuring, communications, time management, following directions, and collaboration. It will also address professional and personal effectiveness skills needed in the culinary arts instructional setting. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this pathway. FCCLA activities should be integrated into this course.</p>	<p>2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>160560 International Cuisine International Cuisine is a research-based cooking course. Students will study foods as a method of furthering their appreciation of other cultures; geography, history and sociology will also play a part in this course. In this course students will identify food contributions of countries throughout the world. Students will learn geographical location of counties and recognize the influence of geography and climate on food habits. Students will identify foods, equipment, and preparation</p>	<p>3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>techniques for typical foods for countries studied. Research projects and cooking labs will be key components of this course. Foods and Nutrition is a prerequisite for this course. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	
<p>160982 Work Based Learning - Culinary Arts This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Culinary Arts pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222511 Food and Nutrition A course designed to provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, wellness and personal lifestyle. Content includes food safety and sanitation, proper use of equipment and utensils, meal management skills, nutrition, food purchasing, preparation techniques and careers in related fields. This course is a prerequisite for Culinary Arts, Hospitality Services, Advanced Nutrition and Wellness, and International Cuisine. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to these pathways and should be integrated into this course.</p>	<p>2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

Early Childhood Education Pathway

<p>191530 Early Childhood Professions A year-long course designed to prepare students to work with young children in a variety of occupational settings related to the young child. Emphasis is on employability skills, human development, care-giving techniques, lesson planning, and management skills. Work site experiences provide opportunities to observe, plan and direct activities for young children. Parenting and Child Development is a prerequisite for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Early Childhood Education pathway and should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
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<p>191531 CAPSTONE: Early Childhood Education This year-long course is the third level of Early Childhood Education pathway. This course prepares students for gainful employment and/or entry into postsecondary education in the Early Childhood Education industry. The course is designed to prepare students to work with young children in a variety of occupational settings related to the young child. Emphasis is on employability skills, human development, care-giving techniques, lesson planning, and management skills. Work site experiences and internships provide opportunities to observe, plan and direct activities for young children. Parenting and Child Development, and Early Child Professions are prerequisites for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this pathway, and FCCLA activities should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191540 Explore Working with Young Children This is an introductory course for the Early Childhood Education and Education Assistant pathways. Course will address introductory knowledge and practice expected for working with children, and professional and personal effectiveness skills needed in the early childhood education instructional setting. Course will include reading, math, problem solving, communications, time management, following directions, and collaboration. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to these pathways. FCCLA activities should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191980 Work Based Learning - Child Development and Services This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Early Childhood Professions pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222514 Parenting and Child Development This course is an intermediate course in the Education Assistant and Early Childhood Education pathways and emphasizes parenting choices and parenting decisions. Content includes stages of prenatal development and the physical, intellectual, social and emotional development of the infant and young child. This course is designed to strengthen parenting and guidance skills, positive family relationships, safety, and health practices. Students will learn to evaluate childcare services, and explore careers related to young children. This course is a prerequisite for Early Childhood Professions and Education Assistant. Family,</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course and should be integrated into this course.

Education and Training Pathway

<p>191510 Education Assistant Following an orientation period, students are assigned to an elementary or middle school classroom where they assist the teacher and have the opportunity to try out the role of a teacher. This year-long course prepares individuals for further education opportunities at the postsecondary level in paraprofessional or teacher education programs. Students work one on one with students, assist with academic progress and support the classroom teacher’s instructional, behavioral and management plans. Students work on developing self-management, communication, social and organizational skills needed to enter the education field. Articulation agreements with postsecondary schools provide credit and a smooth transition to further education. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to the Education and Training pathway and should be integrated into this course. Parenting and Child Development is a prerequisite for this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191511 CAPSTONE: Advanced Education Assistant Advanced Education Assistant, a year-long course, is the third level of the Education Assistant program of study. This capstone course prepares students for gainful employment and/or entry into postsecondary education in the Education and Training pathway. Content provides students the opportunity to apply the marketable education-related skills they have acquired by assuming greater responsibilities in the education experience. Parenting and Child Development, and Education Assistant are prerequisites for this course. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191540 Explore Working with Young Children This is an introductory course for the Early Childhood Education and Education Assistant pathways. Course will address introductory knowledge and practice expected for working with children, and professional and personal effectiveness skills needed in the early childhood education instructional setting. Course will include reading, math, problem solving, communications, time management, following directions, and collaboration. Family, Career, and Community Leaders of</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>America (FCCLA) leadership activities are strongly tied to these pathways. FCCLA activities should be integrated into this course.</p>	
<p>191981 Work Based Learning - Education and Training This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Education Assistant pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222514 Parenting and Child Development This course is an intermediate course in the Education Assistant and Early Childhood Education pathways and emphasizes parenting choices and parenting decisions. Content includes stages of prenatal development and the physical, intellectual, social and emotional development of the infant and young child. This course is designed to strengthen parenting and guidance skills, positive family relationships, safety, and health practices. Students will learn to evaluate childcare services, and explore careers related to young children. This course is a prerequisite for Early Childhood Professions and Education Assistant. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

FCS Cluster

<p>160523 Introduction to Culinary Arts A course in professional food preparation with practical applications emphasizing career opportunities, reinforced basic skills, food safety and sanitation, use of commercial equipment, industrial food preparation, business management, food service techniques, and employability skills. Work experiences may be in a school-based enterprise, district food service, local restaurants, or other food production establishments. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this pathway and should be integrated into this course. Food and Nutrition is a prerequisite for this course.</p>	<p>3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>160530 Foundational Foods Students will learn foundational knowledge and skills linked to the food service/culinary arts industry. This course will include math, reading, problem</p>	<p>2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>solving, measuring, communications, time management, following directions, and collaboration. It will also address professional and personal effectiveness skills needed in the culinary arts instructional setting. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this pathway. FCCLA activities should be integrated into this course.</p>	
<p>160560 International Cuisine International Cuisine is a research-based cooking course. Students will study foods as a method of furthering their appreciation of other cultures; geography, history and sociology will also play a part in this course. In this course students will identify food contributions of countries throughout the world. Students will learn geographical location of counties and recognize the influence of geography and climate on food habits. Students will identify foods, equipment, and preparation techniques for typical foods for countries studied. Research projects and cooking labs will be key components of this course. Foods and Nutrition is a prerequisite for this course. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161512 Introduction to Hospitality Essentials This course will provide an introduction to the hospitality and tourism industry. It includes an industry overview and preparation for employment or entrepreneurship in a variety of occupations utilizing the knowledge and skills in the hospitality field and related to family and consumer sciences content. Skill development will be achieved through classroom laboratory, project-based learning, and school-based enterprise. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course. Food and Nutrition is a prerequisite for this course.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161513 Explore Hospitality and Tourism This course is a foundational course in the Family and Consumer Sciences Hospitality Services pathway. Students will learn foundational knowledge of business functions, guest service, and all sectors of hospitality and tourism. Course will include math, reading, problem solving, communications, time management, following directions, and collaboration. Course will address professional and personal effectiveness skills needed in the hospitality and tourism instructional setting. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161550 Tour Idaho This course provides a framework for thinking about the State's many travel destinations and events. Idaho is a state of seven regions: Panhandle, Clearwater, Southwest, Magic Valley, Southeast, Upper Snake and Salmon. Each region will be profiled in terms of major tourism destination-and-event themes, including</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>agricultural, aviation and aerospace, nature-based, culture and heritage, arts and entertainment, sports, and weather-related destinations and events. Tour Idaho is designed to be a project-based course with potential regional partnerships. This course can be used to fulfill the Idaho Senior Project graduation requirement. https://sde.idaho.gov/topics/hs-grad-req/files/general/High-School-Graduation-Minimum-Requirements.pdf FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Hospitality and Tourism pathway. FCCLA activities should be integrated into this course. The Introduction to Hospitality Essentials course is a prerequisite for this class.</p>	
<p>190010 Human Services This course is a foundational course in the Family and Consumer Sciences Hospitality Services pathway. Students will learn foundational knowledge of business functions, guest service, and all sectors of hospitality and tourism. Course will include math, reading, problem solving, communications, time management, following directions, and collaboration. Course will address professional and personal effectiveness skills needed in the hospitality and tourism instructional setting. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	9971 CTE - Family and Consumer Sciences (6-12)
<p>190012 Advanced Human Services A year-long course that focuses on the functional roles and responsibilities of human services professionals and how they apply their skills to assist individuals and families in the areas of consumer services, personal services, family and community services, counseling, and early childhood services. Students in Advanced Human Services gain knowledge and skills through coordinated workplace learning experiences such as site visits, job shadowing and internships. Human Services, Career and Personal Development, and Family Health and Wellness are prerequisites for this course. This course may articulate to a variety of human services programs at the postsecondary level to prepare learners for professional and technical careers. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	9971 CTE - Family and Consumer Sciences (6-12)
<p>190014 Introduction to Family and Consumer Sciences (FCS) and Human Services Careers A foundational course in the Family and Consumer Sciences Cluster pathway. Students will learn foundational knowledge of occupations (paid and unpaid) linked to providing basic needs of children, individuals, and families. Occupations will include nutrition educator, childcare provider, social worker, foster parent, credit counselor, geriatric care provider, senior citizen care director, food service provider, restaurant manager, culinary artists, interior/textile designer, event planner and family and consumer sciences teacher. Course will include reading, math, problem</p>	9971 CTE - Family and Consumer Sciences (6-12)

<p>solving, communications, time management, following directions, and collaboration. FCCLA (Family, Career and Community Leaders of America) leadership activities are strongly tied to and should be integrated into this course.</p>	
<p>191510 Education Assistant Following an orientation period, students are assigned to an elementary or middle school classroom where they assist the teacher and have the opportunity to try out the role of a teacher. This year-long course prepares individuals for further education opportunities at the postsecondary level in paraprofessional or teacher education programs. Students work one on one with students, assist with academic progress and support the classroom teacher’s instructional, behavioral and management plans. Students work on developing self-management, communication, social and organizational skills needed to enter the education field. Articulation agreements with postsecondary schools provide credit and a smooth transition to further education. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to the Education and Training pathway and should be integrated into this course. Parenting and Child Development is a prerequisite for this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191530 Early Childhood Professions A year-long course designed to prepare students to work with young children in a variety of occupational settings related to the young child. Emphasis is on employability skills, human development, care-giving techniques, lesson planning, and management skills. Work site experiences provide opportunities to observe, plan and direct activities for young children. Parenting and Child Development is a prerequisite for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Early Childhood Education pathway and should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191540 Explore Working with Young Children This is an introductory course for the Early Childhood Education and Education Assistant pathways. Course will address introductory knowledge and practice expected for working with children, and professional and personal effectiveness skills needed in the early childhood education instructional setting. Course will include reading, math, problem solving, communications, time management, following directions, and collaboration. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to these pathways. FCCLA activities should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192011 Fashion and Textiles This course introduces students to the various aspects of fashion, textiles, and garment construction including selection, characteristics, care, and repair techniques. This course reflects on fashion history, exposes students to the science</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>of textiles, and requires students to demonstrate knowledge and skill in various applications of basic design. Students examine the social and psychological aspects of fashion, understanding how acquisition of clothing has changed over time. While Fashion and Textiles provides the preliminary essential component of a program pathway in Apparel/Textiles, coursework is beneficial to students as consumers today and in the future. This course is a prerequisite for Fashion Design and Merchandising. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this pathway, and FCCLA activities should be integrated into this course.</p>	
<p>192012 Fashion Strategies Fashion Strategies prepares individuals to understand the social, psychological, and physiological aspects of apparel and textiles. Focus is on the nature, acquisition, and use of apparel and textile products. Consumer and career information relative to the personal collection, design, knowledge of basic construction and maintenance of apparel and textiles products, and their effect of consumer choices on the individual and family. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192030 Apparel Construction Fundamentals This course will provide students with instruction in consumer and industrial machinery to construct garments and products. Instruction will include use, care, and troubleshoot industrial equipment. Students will learn to read commercial and digital patterns, implement construction order of operations, applying hand sewing, and sewing woven and knit fabrics. Course will include strong emphasis on studio etiquette, safety, and organization. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course, and FCCLA activities should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192050 Housing, Interiors, and Furnishings A year-long course that integrates knowledge, skills and practices required for careers in the housing, interiors and furnishings industry. Students will evaluate housing decisions, develop and practice design techniques, and demonstrate skills through visual presentations. Instruction includes design principles, construction techniques, and materials and equipment selection. A work experience in the housing, interiors and furnishing industry or real estate is a part of this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192610 Human Growth and Development The course focuses on basic human developmental and behavioral characteristics of the individual within the context of the family. The content includes instruction in</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>the conditions (biophysical, cognitive, emotional, and social development) that influence human growth and development through the various life stages—prenatal, childhood, adolescence, and adulthood; strategies that promote growth and development across the life span; and the study of family systems. This course provides the foundation for all career paths within the human services cluster: early childhood development and services; family and community services; consumer services; personal care services; and education and training. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	
<p>221010 Leadership This leadership course is designed to strengthen students’ personal and group leadership skills in the Family and Consumer Sciences pathway and cluster programs. It provides students an opportunity to explore character traits and characteristics that are needed to become an effective leader. Students practice pathway skill content as well as their leadership skills through community service projects and a variety of Family, Career, and Community Leaders of America (FCCLA) student organization leadership activities. This course covers topics such as public speaking, effective communication, human relations, parliamentary laws and procedures, organization and management and group dynamics. FCCLA leadership activities are strongly tied to this course.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 2030 CTE OS – Dietitian (6-12) 3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS – Child Development and Service (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>221520 Strategies for Success A course of study which helps to orient students to the world of work and school. Ideally, this course is offered in the ninth and tenth grades as it addresses the needs of students to develop good work and study habits, helps students to prepare portfolios, learn about school resources, develop career plans, start preparing for college and develop solid interpersonal skills, with an emphasis on communication and building self-esteem. BPA (Business Professionals of America), DECA (Marketing CTSO), FCCLA (Family, Community and Career Leaders of America), FFA (Agriculture Education CTSO), or TSA (Technology Student Association) leadership activities are strongly tied to this course. BPA, DECA, FCCLA, FFA, or TSA activities should be integrated into this course.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>221522 Family and Consumer Sciences (FCS) Professions An introduction to professional Family and Consumer Sciences related careers, particularly teaching. Course will include career expectations, career options, balancing work and family, and a variety professional publications and interviews. Course may align with postsecondary institution requirements. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>221523 Career and Personal Development The concepts included in this course provide the foundations for all programs of study. This course helps students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of making informed decisions about their careers. The focus is on the practical aspects of investigating, pursuing, achieving, and keeping employment in a global society. The curriculum emphasizes communication, employability skills, leadership and balancing work and family. This course is a prerequisite for Human Services and Entrepreneurship. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222080 Family Health and Wellness Topics covered within health education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, growth, development, family life, and first aid) and consumer health issues. The course may also include brief studies of environmental health, personal development, and/or community resources. If approved by the district, this course may substitute for the core content health credit. Idaho Content Standards for Health have been included in this course. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and FCCLA should be integrated into this course.</p>	<p>2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222510 Healthy Living, Healthy World This course focuses on how our daily lives affect the environment and the Three Pillars of Sustainability. Students will recognize how their choices in housing, transportation, food, and waste management, water, and energy consumption impact both their near environment and global wellbeing. Sustainable career choices as well as community connections are an integral part of this curriculum. This course focuses on the roles and responsibilities of the student as a global citizen and consumer of finite resources. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	<p>2030 CTE OS - Dietitian (6-12) 3020 CTE OS - Child Development Care and Guidance (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222511 Food and Nutrition A course designed to provide students with an understanding of food’s role in society, instruction in how to plan and prepare meals, wellness and personal lifestyle. Content includes food safety and sanitation, proper use of equipment and utensils, meal management skills, nutrition, food purchasing, preparation techniques and careers in related fields. This course is a prerequisite for Culinary Arts, Hospitality Services, Advanced Nutrition and Wellness, and International Cuisine. Family, Career, and Community Leaders of America (FCCLA) leadership</p>	<p>2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>activities are strongly tied to these pathways and should be integrated into this course.</p>	
<p>222512 Food Science and Nutrition The scientific and chemical basis of nutrition, preparation, preservation and processing of food products is the focus of this course. Students will study the composition, structure, and properties of food and the chemical changes that occur during the processing, storage, preparation and consumption of food. Scientific methods are used to conduct lab experiments with food. Students with interest/career plans in food science or dietetics will benefit from this course. Students may earn a lab science credit with district approval that assures students meet all Idaho science content standards. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222513 Teen Parenting The scientific and chemical basis of nutrition, preparation, preservation and processing of food products is the focus of this course. Students will study the composition, structure, and properties of food and the chemical changes that occur during the processing, storage, preparation and consumption of food. Scientific methods are used to conduct lab experiments with food. Students with interest/career plans in food science or dietetics will benefit from this course. Students may earn a lab science credit with district approval that assures students meet all Idaho science content standards. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222514 Parenting and Child Development This course is an intermediate course in the Education Assistant and Early Childhood Education pathways and emphasizes parenting choices and parenting decisions. Content includes stages of prenatal development and the physical, intellectual, social and emotional development of the infant and young child. This course is designed to strengthen parenting and guidance skills, positive family relationships, safety, and health practices. Students will learn to evaluate childcare services, and explore careers related to young children. This course is a prerequisite for Early Childhood Professions and Education Assistant. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care and Guidance (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222515 Teen Living The emphasis of this course is to build on skills in the areas of personal development, relationships, human and family development, clothing, resource management, living environments, nutrition and wellness, career choices, and</p>	<p>2030 CTE OS – Dietitian (6-12) 3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 3023 CTE OS - Food Service (6-12)</p>

<p>leadership skills. This course focuses on the student's role and responsibility as a teen participating in the family, school, and community. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.</p>	<p>3025 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222516 Adult Living A course designed to focus on the young adult as an individual preparing for responsibilities in the home, family, community and work environment. The student will gain skills in relationships and life management, utilize problem-solving methods, management processes, employment, and leadership. Adult Living is designed as two independent but sequential semesters/ trimesters with one semester focusing on independent living skills and one semester on building and maintaining healthy interpersonal relationships. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222517 Personal and Family Finance/Economics This financial literacy course provides an understanding of personal finance, basic economic concepts, use of economic reasoning skills, the impact of economics systems, and the role of government. It provides students with financial skills for personal and family well-being, financial services, responsible use of credit, consumer decisions, saving and investing, insurance, spending patterns, contracts, and budget planning. This course is a prerequisite for Human Services. Students in this course may earn an economics graduation credit when approved by the district/charter and Idaho's economic content standards are all addressed. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222518 Advanced Nutrition and Wellness Advanced Nutrition and Wellness provides an extensive study of nutrition. This course is recommended for all students wanting to improve their nutrition and learn how nutrition affects the body across the lifespan. Nutrition and Wellness is an especially appropriate course for students interested in careers in the medical field, athletic training and dietetics. This course builds on the foundation established in Food and Nutrition and Food Science and Nutrition. This is a project-based course, utilizing higher-order thinking, communication, leadership and management processes. Topics include extensive study of major nutrients, nutritional standards across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field. Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety and sanitation. This course is part of a sequence of courses that provide a foundation for continuing and postsecondary education in all career</p>	<p>2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>areas related to nutrition, food, and wellness. Food and Nutrition is a prerequisite for this course. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	
<p>229984 Entrepreneurship Experience A course preparing individuals for employment or entrepreneurship in a variety of professions utilizing knowledge and skills related to family and consumer sciences content. Skill development is achieved through the classroom laboratory and a school-based enterprise or cooperative work experience. Classroom instruction includes developing a business plan, marketing, and workplace knowledge and skills. Career and Personal Development is a prerequisite for this course. Family, Career, and Community Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>

Hospitality Services Pathway

<p>160980 Work Based Learning - Hospitality Services This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Hospitality Services pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161510 CAPSTONE: Hospitality Services Hospitality Services, a year-long course, is the third level of the Hospitality Services pathway This course prepares students for gainful employment and/or entry into postsecondary education in the hospitality and tourism industry, providing students skills and knowledge important within the industry. Students will have the opportunity to explore career opportunities and develop an awareness and understanding of one of the largest industries in the world. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to the Hospitality Services pathway and should be integrated into this course. Food and Nutrition, and Introduction to Hospitality Essentials are course prerequisites.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161512 Introduction to Hospitality Essentials</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12)</p>

<p>This course will provide an introduction to the hospitality and tourism industry. It includes an industry overview and preparation for employment or entrepreneurship in a variety of occupations utilizing the knowledge and skills in the hospitality field and related to family and consumer sciences content. Skill development will be achieved through classroom laboratory, project-based learning, and school-based enterprise. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course. Food and Nutrition is a prerequisite for this course.</p>	<p>3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161513 Explore Hospitality and Tourism This course is a foundational course in the Family and Consumer Sciences Hospitality Services pathway. Students will learn foundational knowledge of business functions, guest service, and all sectors of hospitality and tourism. Course will include math, reading, problem solving, communications, time management, following directions, and collaboration. Course will address professional and personal effectiveness skills needed in the hospitality and tourism instructional setting. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161550 Tour Idaho This course provides a framework for thinking about the State's many travel destinations and events. Idaho is a state of seven regions: Panhandle, Clearwater, Southwest, Magic Valley, Southeast, Upper Snake and Salmon. Each region will be profiled in terms of major tourism destination-and-event themes, including agricultural, aviation and aerospace, nature-based, culture and heritage, arts and entertainment, sports, and weather-related destinations and events. Tour Idaho is designed to be a project-based course with potential regional partnerships. This course can be used to fulfill the Idaho Senior Project graduation requirement. https://sde.idaho.gov/topics/hs-grad-req/files/general/High-School-Graduation-Minimum-Requirements.pdf FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Hospitality Services pathway. The Introduction to Hospitality Essentials course is a prerequisite for this class. FCCLA activities should be integrated into this course.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222511 Food and Nutrition This course is a foundational course in the Family and Consumer Sciences Hospitality Services pathway. Students will learn foundational knowledge of business functions, guest service, and all sectors of hospitality and tourism. Course will include math, reading, problem solving, communications, time management, following directions, and collaboration. Course will address</p>	<p>2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

professional and personal effectiveness skills needed in the hospitality and tourism instructional setting. FCCLA (Family, Career, and Community Leaders of America) leadership activities are strongly tied to this course and should be integrated into this course.

HEALTH PROFESSIONS AND PUBLIC SAFETY (HPPS)

Dental Assisting Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://resources.youscience.com/rs/806-BFU-539/images/National_Health_Science_Standards.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are encouraged to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. (Note: CPR certification is required for all pathway completers but may be taught during Capstone courses.) This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>140540 CAPSTONE: Fundamentals of Dental Assisting A course designed to provide the student with basic background knowledge, skills, and attitudes for employment in a dental office as a beginning dental assistant. Areas of instruction include dental terminology, charting, cavity classification, infection control, assisting with local anesthesia, and oral surgery, and ethics and jurisprudence. Pre-requisite: Orientation or Fundamentals of Health Professions.</p>	<p>2011 CTE OS - Dental Assisting (6-12)</p>
<p>140980 Work Based Learning - Dental Assisting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Dental Assisting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2011 CTE OS - Dental Assisting (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>141050 Clinical Specialties</p>	<p>2000 CTE OS – Orientation to Health Professions (6-12) 2011 CTE OS – Dental Assisting (6-12) 2030 CTE OS – Dietitian (6-12)</p>

<p>This comprehensive course is designed to provide health profession students with the knowledge and practical skills to pursue certification in medical specialties, such as Phlebotomy and EKG technologies. The course aims to equip student with the foundational skills, hands-on training, and certification preparation. Prerequisites: Fundamentals of Health Professions and instructor approval.</p>	<p>2033 CTE OS – Nursing Assistant (6-12) 2055 CTE OS – Rehabilitation Services (6-12) 2085 CTE OS – Emergency Medical Technician (6-12) 2087 CTE OS – Paramedic (6-12) 2094 CTE OS – Medical Assisting (6-12) 2095 CTE OS – Pharmacy Technician (6-12) 2098 CTE OS – Sports Medicine/Athletic Training (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>

Emergency Medical Technician Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://resources.youscience.com/rs/806-BFU-539/images/National_Health_Science_Standards.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
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<p>topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are encouraged to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. (Note: CPR certification is required for all pathway completers but may be taught during Capstone courses.) This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	
<p>140550 CAPSTONE: Emergency Medical Technician A course designed to instruct senior level high school students to the level of Emergency Medical Technician-Basic, a person who serves as a vital link in the chain of the health care team at a basic life support level with an ambulance service or other specialized service. Prerequisite: Fundamentals of Health Professions, and Emergency Medical Responder or Medical Terminology.</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)</p>
<p>140551 Emergency Medical Responder This course covers simple knowledge of the Emergency Medical Services (EMS) system, the safety and well-being of the Emergency Medical Responder (EMR), and medical and legal issues at the scene of an emergency while awaiting a higher level of care. Prerequisite: Fundamentals of Health Professions.</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)</p>
<p>140552 Emergency Medical Technician II A course designed to instruct senior level high school students to the level of Advanced Emergency Medical Technician, developing personal and professional skills to handle high stress emergency situations. Completion of this course prepares students to function as a team member in a comprehensive EMS system and perform interventions with advanced equipment. Restrictions: This course must be taught by an AEMT or paramedic per Idaho EMS Bureau requirements. Prerequisites: Fundamentals of Health Professions, Emergency Medical Technician.</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)</p>
<p>140981 Work Based Learning - Emergency Medical Technician This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Emergency Medical Technician pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 7016 CTE - Career Counselor (6-12)</p>

<p>141050 Clinical Specialties This comprehensive course is designed to provide health profession students with the knowledge and practical skills to pursue certification in medical specialties, such as Phlebotomy and EKG technologies. The course aims to equip student with the foundational skills, hands-on training, and certification preparation. Prerequisites: Fundamentals of Health Professions and instructor approval.</p>	2000 CTE OS – Orientation to Health Professions (6-12) 2011 CTE OS – Dental Assisting (6-12) 2030 CTE OS – Dietitian (6-12) 2033 CTE OS – Nursing Assistant (6-12) 2055 CTE OS – Rehabilitation Services (6-12) 2085 CTE OS – Emergency Medical Technician (6-12) 2087 CTE OS – Paramedic (6-12) 2094 CTE OS – Medical Assisting (6-12) 2095 CTE OS – Pharmacy Technician (6-12) 2098 CTE OS – Sports Medicine/Athletic Training (6-12)
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)

Firefighting Pathway

<p>150010 Orientation to Police, Fire, and Emergency Services This foundations course is the first in a three-year program is designed to prepare students for the various occupations in law enforcement, firefighting, and emergency services. Students will not be able to certify as firefighters, police officers or correctional officers during the high school but will have the necessary preparation to continue into advance level preparation at the postsecondary</p>	2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)
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<p>institutions. Course work will cover all aspects of the occupational field, including social and psychological sciences, community, city, county, and state regulations and laws.</p>	
<p>151520 Essentials of Firefighting This is the second course in a three-course program. This course is designed to prepare students for an occupation within the firefighting career field. Students will study basic firefighting techniques, mechanics of search and rescue, communications, emergency medical procedures, rescue and safety, and related scenarios. Students will learn how to write good reports, the language to use in reports and reporting under the Idaho Criminal Code. Students will learn health and safety as it relates to preventing injuries and personal protective equipment. Students will learn about fire behavior, building construction, extinguishers, ropes and knots, rescue and extrication, forcible entry, ladders, ventilation, water supply, fire hoses, fire streams, fire controls, alarms, and loss of control. Students will learn about fire department communication systems, protecting the public, prevention and public education, and hazardous material procedures.</p>	<p>6280 CTE OS - Firefighting (6-12)</p>
<p>151521 CAPSTONE: Firefighting II This is the third course in a three-course program. This course is designed to prepare students for an occupation within the firefighting career field. Students will study EMT basics, ambulance operations, extrication/gaining access, and incident command systems. Students will learn how to write good reports, the language to use in reports and reporting under the Idaho Criminal Code. Students will learn health and safety as it relates to preventing injuries and personal protective equipment. Students will learn about fire behavior, building construction, extinguishers, ropes and knots, rescue and extrication, forcible entry, ladders, ventilation, water supply, fire hoses, fire streams, fire controls, alarms, and loss of control. Students will learn about fire department communication systems, protecting the public, prevention and public education, and hazardous material procedures.</p>	<p>6280 CTE OS - Firefighting (6-12)</p>
<p>151980 Work Based Learning - Firefighting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Firefighting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6280 CTE OS - Firefighting (6-12) 7016 CTE - Career Counselor (6-12)</p>

Law Enforcement Pathway

<p>150010 Orientation to Police, Fire, and Emergency Services This foundations course is the first in a three-year program is designed to prepare students for the various occupations in law enforcement, firefighting, and emergency services. Students will not be able to certify as firefighters, police officers or correctional officers during the high school but will have the necessary preparation to continue into advance level preparation at the postsecondary institutions. Course work will cover all aspects of the occupational field, including social and psychological sciences, community, city, county, and state regulations and laws.</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)</p>
<p>150540 Law Enforcement, Detention, and Corrections I This is the second course in a three-course program. This course is designed to prepare students for an occupation within the criminal justice or law enforcement fields. Students will study basic criminal investigation techniques, mechanics of search, communications, emergency medical procedures, rescue and safety, traffic and crowd control, and related scenarios.</p>	<p>6282 CTE OS - Law Enforcement (6-12)</p>
<p>150541 CAPSTONE: Law Enforcement, Detention, and Corrections II This is the third course in a three-course program. This class is designed to prepare students for entry into occupations in law enforcement, corrections, or criminal justice. While students will not be able to be certified as police, corrections, or criminal justice officers, they will be given the necessary skills to perform basic tasks in the occupation as auxiliary personnel and go on for further training at a postsecondary institution. Additional training will be provided in patrol techniques, weapons, investigations, court systems, defensive tactics, vehicle operations, fingerprinting and identification systems, and accident and criminal action prevention/investigation.</p>	<p>6282 CTE OS - Law Enforcement (6-12)</p>
<p>150980 Work Based Learning - Law Enforcement This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Law Enforcement pathway. The WBL experience must be supervised monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6282 CTE OS - Law Enforcement (6-12) 7016 CTE - Career Counselor (6-12)</p>

Medical Assisting Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://resources.youscience.com/rs/806-BFU-539/images/National_Health_Science_Standards.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are encouraged to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. (Note: CPR certification is required for all pathway completers but may be taught during Capstone courses.) This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141050 Clinical Specialties This comprehensive course is designed to provide health profession students with the knowledge and practical skills to pursue certification in medical specialties, such as Phlebotomy and EKG technologies. The course aims to equip student with the foundational skills, hands-on training, and certification preparation. Prerequisites: Fundamentals of Health Professions and instructor approval.</p>	<p>2000 CTE OS – Orientation to Health Professions (6-12) 2011 CTE OS – Dental Assisting (6-12) 2030 CTE OS – Dietitian (6-12) 2033 CTE OS – Nursing Assistant (6-12) 2055 CTE OS – Rehabilitation Services (6-12) 2085 CTE OS – Emergency Medical Technician (6-12) 2087 CTE OS – Paramedic (6-12) 2094 CTE OS – Medical Assisting (6-12) 2095 CTE OS – Pharmacy Technician (6-12) 2098 CTE OS – Sports Medicine/Athletic Training (6-12)</p>
<p>141514 Fundamentals of Medical Assisting This course introduces students to the basic knowledge, skills and attitudes needed to assist in the health care field as a Medical Assistant. Content includes responsibilities of each team member, principles and application of law related to health care organizations and personnel, and standards of care and liability.</p>	<p>2094 CTE OS - Medical Assisting (6-12)</p>
<p>141515 CAPSTONE: Advanced Medical Assisting This course prepares students for entry into the health field as a Medical Assistant. Students will learn administrative skills and functions of the Medical Assistant in the medical office setting, which include effective communication</p>	<p>2094 CTE OS - Medical Assisting (6-12)</p>

<p>skills, appointment scheduling, accounting, insurance processing, and management skills.</p>	
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141980 Work Based Learning - Medical Assisting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Medical Assisting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2094 CTE OS - Medical Assisting (6-12) 7016 CTE - Career Counselor (6-12)</p>

Nursing Assistant Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://resources.youscience.com/rs/806-BFU-</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12)</p>
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<p>539/images/National Health Science Standards.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are encouraged to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. (Note: CPR certification is required for all pathway completers but may be taught during Capstone courses.) This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>140510 CAPSTONE: Nursing Assistant A 120-hour course designed to introduce learners to concepts related to nursing assisting. This course will prepare students for beginning employment as nursing assistants in long-term care facilities, hospitals, and other settings. The course provides learners with experiences in the classroom and in the clinical areas that result in development and practice of basic competencies required for the role. Successful completion of the course qualifies the student to test to become a Certified Nursing Assistant. The student's name will then be placed on the Idaho State Registry for Nursing Assistants. Course content includes medical terminology, anatomy and physiology, care of the patient, and assisting as a member of the health care team. Prerequisite: Fundamentals of Health Professions.</p>	<p>2033 CTE OS – Nursing Assistant (6-12)</p>
<p>140982 Work Based Learning - Nursing Assistant This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Nursing Assistant pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2033 CTE OS - Nursing Assistant (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>140990 Mental Health Assistant A program of study that prepares the student to assist with the care of persons requiring services in the specialized field of mental health/mental illness. Students are prepared for employability and advanced study. Prerequisite: Fundamentals of Health Professions, and Medical Terminology or Anatomy and Physiology for Health</p>	<p>2033 CTE OS - Nursing Assistant (6-12)</p>

<p>Professions. Successful completion of Nursing Assistant pathway is strongly recommended.</p>	
<p>141050 Clinical Specialties This comprehensive course is designed to provide health profession students with the knowledge and practical skills to pursue certification in medical specialties, such as Phlebotomy and EKG technologies. The course aims to equip student with the foundational skills, hands-on training, and certification preparation. Prerequisites: Fundamentals of Health Professions and instructor approval.</p>	<p>2000 CTE OS – Orientation to Health Professions (6-12) 2011 CTE OS – Dental Assisting (6-12) 2030 CTE OS – Dietitian (6-12) 2033 CTE OS – Nursing Assistant (6-12) 2055 CTE OS – Rehabilitation Services (6-12) 2085 CTE OS – Emergency Medical Technician (6-12) 2087 CTE OS – Paramedic (6-12) 2094 CTE OS – Medical Assisting (6-12) 2095 CTE OS – Pharmacy Technician (6-12) 2098 CTE OS – Sports Medicine/Athletic Training (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>

Pharmacy Technician Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation:</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12)</p>
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<p>https://resources.youscience.com/rs/806-BFU-539/images/National_Health_Science_Standards.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are encouraged to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. (Note: CPR certification is required for all pathway completers but may be taught during Capstone courses.) This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141050 Clinical Specialties This comprehensive course is designed to provide health profession students with the knowledge and practical skills to pursue certification in medical specialties, such as Phlebotomy and EKG technologies. The course aims to equip student with the foundational skills, hands-on training, and certification preparation. Prerequisites: Fundamentals of Health Professions and instructor approval.</p>	<p>2000 CTE OS – Orientation to Health Professions (6-12) 2011 CTE OS – Dental Assisting (6-12) 2030 CTE OS – Dietitian (6-12) 2033 CTE OS – Nursing Assistant (6-12) 2055 CTE OS – Rehabilitation Services (6-12) 2085 CTE OS – Emergency Medical Technician (6-12) 2087 CTE OS – Paramedic (6-12) 2094 CTE OS – Medical Assisting (6-12) 2095 CTE OS – Pharmacy Technician (6-12) 2098 CTE OS – Sports Medicine/Athletic Training (6-12)</p>
<p>141520 CAPSTONE: Pharmacy Technician A course designed to prepare senior level students for entry-level employment as a Pharmacy Technician under the supervision of pharmacists in retail pharmacies, hospitals, and other settings. Successful completion of the course qualifies the student to take the Pharmacy Technician Certifying Board (PTCB) or Exam for the Certification of Pharmacy Technicians (ExCPT) certification exams. Content includes pharmaceutical terminology, drug identification, measurement techniques, record keeping, business operations, prescription preparation, logistics and dispensing operations and applicable standards and regulations. Prerequisite: Fundamentals of Health Professions, and Medical Terminology or Anatomy and Physiology.</p>	<p>2033 CTE OS - Nursing Assistant (6-12) 2087 CTE OS - Paramedic (6-12) 2095 CTE OS - Pharmacy Technician (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12)</p>

<p>includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141981 Work Based Learning - Pharmacy Technician This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Pharmacy Technician pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2087 CTE OS - Paramedic (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 7016 CTE - Career Counselor (6-12)</p>

Rehabilitation Services Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://resources.youscience.com/rs/806-BFU-539/images/National_Health_Science_Standards.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
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<p>learned in this course are transferable to many health professions programs. Students are encouraged to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. (Note: CPR certification is required for all pathway completers but may be taught during Capstone courses.) This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	
<p>140620 Fundamentals of Rehabilitation Services A program that introduces students to the basic knowledge, skills, and attitudes needed to assist in the career fields of Sports Medicine and Athletic Training. Students explore related careers and may assist, with permission, with athletic training teams.</p>	<p>2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>140622 CAPSTONE: Rehabilitation Services This course introduces students to the basic knowledge, skills, and attitudes for success in the field of exercise science at the aide and/or assistant level. Content includes terminology; clerical, technical, and therapeutic methods; and the roles/responsibilities of each member of the team.</p>	<p>2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>140983 Work Based Learning - Rehabilitation Services This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Rehabilitation Services pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>141050 Clinical Specialties This comprehensive course is designed to provide health profession students with the knowledge and practical skills to pursue certification in medical specialties, such as Phlebotomy and EKG technologies. The course aims to equip student with the foundational skills, hands-on training, and certification preparation. Prerequisites: Fundamentals of Health Professions and instructor approval.</p>	<p>2000 CTE OS – Orientation to Health Professions (6-12) 2011 CTE OS – Dental Assisting (6-12) 2030 CTE OS – Dietitian (6-12) 2033 CTE OS – Nursing Assistant (6-12) 2055 CTE OS – Rehabilitation Services (6-12) 2085 CTE OS – Emergency Medical Technician (6-12) 2087 CTE OS – Paramedic (6-12) 2094 CTE OS – Medical Assisting (6-12) 2095 CTE OS – Pharmacy Technician (6-12) 2098 CTE OS – Sports Medicine/Athletic Training (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12)</p>

<p>word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)</p>

TRADES AND INDUSTRY (TI)

Aircraft Maintenance Pathway

<p>200010 Aviation Careers Exploration This optional course exposes students to the career opportunities available in the aviation industry. Students will learn about the multifaceted world of aviation, gaining insights into various career paths, industry trends, and necessary skills and qualifications. Students may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	6041 CTE OS – Aircraft Maintenance (6-12)
<p>200530 Aircraft Maintenance I This is the first course in a three-course program of the Aircraft Maintenance pathway, providing students with a comprehensive overview of aircraft maintenance principles and practices. Participants will gain foundational knowledge in aviation safety regulations, aircraft systems, and maintenance procedures. Through a combination of lectures, demonstrations, and hands-on exercises, students will learn to perform basic inspections, troubleshoot common issues, and use essential tools and equipment. Emphasis will be placed on developing a strong understanding of aviation terminology, safety protocols, and industry standards.</p>	6041 CTE OS – Aircraft Maintenance (6-12)
<p>200531 Aircraft Maintenance II This is the second course in a three-course program. Students will explore the intricacies of aircraft electrical, hydraulic, pneumatic, and avionics systems, as well as propulsion systems. Through a combination of theoretical instruction and practical exercises, participants will learn to diagnose and repair complex aircraft systems, including troubleshooting techniques and the use of specialized diagnostic equipment. Additionally, students will gain hands-on experience in servicing and maintaining various aircraft components, such as landing gear, flight controls, and fuel systems.</p>	6041 CTE OS – Aircraft Maintenance (6-12)
<p>200532 CAPSTONE: Aircraft Maintenance III This is the third course in a three-course program. Students will focus on mastering specialized aircraft maintenance techniques and procedures. Topics covered include advanced troubleshooting methods, composite repair techniques, corrosion prevention, and structural maintenance. Through a combination of classroom instruction, laboratory work, and practical exercises, participants will deepen their understanding of aircraft maintenance best practices and industry standards.</p>	6041 CTE OS – Aircraft Maintenance (6-12)

<p>201484 Work Based Learning – Aircraft Maintenance This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Aircraft Maintenance pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS – Work Based Learning Coordinator (6-12) 6041 CTE OS – Aircraft Maintenance (6-12) 7016 CTE OS – Career Counselor (6-12)</p>
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Automated Manufacturing Pathway

<p>130010 Manufacturing Careers Exploration This optional course serves as an introduction to different manufacturing systems, including electronics, electrical technology, automated manufacturing, precision machining, industrial mechanics, and welding. Students will become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing.</p>	<p>5018 CTE OS – Electronics Technology (6-12) 5022 CTE OS – Automated Manufacturing (6-12) 6109 CTE OS – Industrial Mechanics (6-12) 6232 CTE OS – Precision Machining (6-12) 6236 CTE OS – Certified Welding (6-12)</p>
<p>130025 Automated Manufacturing Level I This is the first course in a three-course program of the Automated Manufacturing pathway. Course includes measurement, safety, and circuit diagrams as they relate to automated manufacturing controls; theory and laboratory practice in CNC milling; Computer Aided Design (CAD); and Computer Aided Manufacturing (CAM) concepts. Introduction to laser and plasma manufacturing devices will be incorporated.</p>	<p>5022 CTE OS - Automated Manufacturing (6-12)</p>
<p>130026 Automated Manufacturing Level II This is the second course in a three-course program. Continued work in measurement, safety, circuit diagrams, and CNC milling. Overview of electronics as it relates to sensors, servos, solenoids, and other automated manufacturing controls. Overview of automated manufacturing using 3-D picks and place technology, articulated arm robotics, conveyors, and materials handling. Course will emphasize limits of precision and accuracy, stepper motor control, and connectivity with other computerized manufacturing operations. Overview of pneumatics and hydraulics used to control manufacturing processes. Course includes air theory, hydraulic theory, pneumatic/hydraulic circuit diagrams and components, PLC control, and circuit simulation.</p>	<p>5022 CTE OS - Automated Manufacturing (6-12)</p>

<p>130027 CAPSTONE: Automated Manufacturing Level III This is the third course in a three-course program. Continued work in measurement, safety, circuit diagrams, CNC milling, pneumatics, and hydraulics. Course includes theory and laboratory practice in CNC lathe and robotic welding. A senior project that combines all automated manufacturing processes learned to-date will be undertaken.</p>	<p>5022 CTE OS - Automated Manufacturing (6-12)</p>
<p>130980 Work Based Learning - Automated Manufacturing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Automated Manufacturing pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 5022 CTE OS - Automated Manufacturing (6-12) 7016 CTE - Career Counselor (6-12)</p>

Automotive Collision Repair Pathway

<p>201033 Transportation Careers Exploration This optional course exposes students to the opportunities available in the transportation industry, including automotive; heavy duty truck and equipment; powersports and outdoor power equipment; and automotive collision repair technology. Students will also learn about emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>6310 CTE OS – Powersports and Outdoor Power Equipment (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Duty Truck and Equipment (6-12)</p>
<p>201160 Automotive Collision Repair Level I This is the first course of a three-course program designed to prepare students with skills for the Automotive Collision Repair industry. The program prepares students with skills that include basic trade skills, refinishing, sheet metal repair, welding, thermoplastic and fiberglass repair, painting, electrical systems, trim accessories and hardware, body, frame and suspension systems, estimating and preparation for delivery, and miscellaneous services. Training in applied communications, and employability skills including leadership, human relations, problem solving, critical thinking, and safe efficient work practices are also elements of this course.</p>	<p>6031 CTE OS - Automotive Collision Repair (6-12)</p>

<p>201161 Automotive Collision Repair Level II This is the second course in a three-course pathway. A course designed to provide students with collision repair applications including dent repair, alignment, and painting.</p>	<p>6031 CTE OS - Automotive Collision Repair (6-12)</p>
<p>201162 CAPSTONE: Automotive Collision Repair Level III This is the third course in a three-course pathway. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards. Students will be given advanced level training in all aspects of collision repair including frame, body, electrical, plastics, painting, and finishing.</p>	<p>6031 CTE OS - Automotive Collision Repair (6-12)</p>
<p>201481 Work Based Learning - Automotive Collision Repair This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Automotive Collision Repair pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 7016 CTE - Career Counselor (6-12)</p>

Automotive Maintenance & Light Repair Pathway

<p>201030 Automotive Technology Level I This is the first course of a three-course program designed to prepare students with skills for the Automotive Technology industry. Automotive technology is a program designed to prepare students with skills that include servicing and maintenance of all types of automobiles. Automotive technology includes instruction in the diagnosis of malfunctions in and repair of engines; engine performance and controls and emission controls, fuel, electrical, cooling, and brake systems; and drive train and suspension systems. Instruction is also given in the adjustment, maintenance, replacement, and repair of individual components and systems. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic automotive technology.</p>	<p>6032 CTE OS - Automotive Maintenance and Light Repair (6-12)</p>
<p>201031 Automotive Technology Level II</p>	<p>6032 CTE OS - Automotive Maintenance and Light Repair (6-12)</p>

	This is the second course in a three-course program. A course designed to provide students with automotive technology applications.	
201032	CAPSTONE: Automotive Technology Level III This is the third course in a three-course pathway. This course is designed to provide students with teamwork, critical thinking, problem solving, diagnostic, and repair skills. Students are provided advanced level instruction that meets industry standards.	6032 CTE OS - Automotive Maintenance and Light Repair (6-12)
201033	Transportation Careers Exploration This optional course exposes students to the opportunities available in the transportation industry, including automotive; heavy duty truck and equipment; powersports and outdoor power equipment; and automotive collision repair technology. Students will also learn about emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.	6310 CTE OS – Powersports and Outdoor Power Equipment (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Duty Truck and Equipment (6-12)
201482	Work Based Learning - Automotive Maintenance and Light Repair This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Automotive Maintenance and Light Repair pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6032 CTE OS - Automotive Maintenance and Light Repair (6-12) 7016 CTE - Career Counselor (6-12)

Cabinetmaking & Bench Carpentry Pathway

170010	Construction Careers Exploration This optional course exposes students to the career opportunities available in the construction industry, including carpenter, cabinetmaker, electrician, heating/air conditioning technician, plumber, and other related occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.	5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)
170071	Cabinetry and Millwork Level I	6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12)

<p>This the first course of a three-course cabinetmaking and bench carpentry pathway. The pathway is designed to prepare students with skills to engage in the mass production of such articles as windows and frames, moldings, trim and panels, and such products as home fixtures, kitchen cabinets, and office furniture. The program includes instruction in cutting, shaping, assembling, and refinishing articles; installing hinges, catches, drawer pulls, and other hardware; and planning and drafting layouts. The course also includes training in applied communications and employability skills including leadership, human relations, and safe efficient work practices.</p>	<p>6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170072 Cabinetry and Millwork Level II This is the second course in a three-course pathway. A course designed to provide students with intermediate cabinetmaking and bench carpentry skills.</p>	<p>6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170073 CAPSTONE: Cabinetry and Millwork Level III This is the third course in a three-course pathway. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing/building to industry standards.</p>	<p>6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170481 Work Based Learning - Cabinetmaking and Bench Carpentry This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Cabinetmaking and Bench Carpentry pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 7016 CTE - Career Counselor (6-12)</p>

Construction Trades Pathway

<p>170010 Construction Careers Exploration This optional course exposes students to the career opportunities available in the construction industry, including carpenter, cabinetmaker, electrician, heating/air conditioning technician, plumber, and other related occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>170030 Construction Trades Level I</p>	<p>6108 CTE OS - Construction Trades Technology (6-12)</p>

<p>This is the first course of a three-course pathway. Construction Trades is a program designed to prepare students with skills within the residential construction industry to layout, fabricate, erect, install, and repair structures and fixtures, using hand and power tools. The program includes instruction in common systems of framing, construction materials, estimating, and blueprint reading. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic residential carpentry and building construction.</p>	
<p>170031 Construction Trades Level II This is the second course in a three-course program. A course designed to provide students with residential carpentry and building construction applications.</p>	6108 CTE OS - Construction Trades Technology (6-12)
<p>170032 CAPSTONE: Construction Trades Level III This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing/building to industry standards. Emphasis of work site skills is expected at this level with most of the students participating in off campus work experiences.</p>	6108 CTE OS - Construction Trades Technology (6-12)
<p>170480 Work Based Learning - Construction Trades This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Construction Trades pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	0099 CTE OS - Work Based Learning Coordinator (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 7016 CTE - Career Counselor (6-12)

Electrical Pathway

<p>170010 Construction Careers Exploration This optional course exposes students to the career opportunities available in the construction industry, including carpenter, cabinetmaker, electrician, heating/air conditioning technician, plumber, and other related occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)
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<p>171022 Electrical Level I This is the first course in a three-course pathway. Students will be introduced to residential, commercial, and industrial work in electrical trades. This sequence of courses is designed to guide students into the Idaho Electrical Apprenticeship program. Students will learn important skills of the electrical trade such as: safety, theory, applied mathematics, electrical code, blueprint reading, tools, and career opportunities.</p>	5030 CTE OS - Electrical Technology (9-12)
<p>171020 Electrical Level II This is the second course in a three-course pathway where students will continue to build their knowledge in residential, commercial, and industrial work in electrical trades. Students will learn intermediate skills of the electrical trade such as: safety, theory, applied mathematics, electrical code, blueprint reading, tools, and career opportunities.</p>	5030 CTE OS - Electrical Technology (9-12)
<p>171025 CAPSTONE: Electrical Level III This is the third course in a three-course pathway. Students will learn more advanced electrical theory, the National Electrical Code, lighting, motors and controls, and electrical installation methods. Students will explore residential, commercial and/or industrial electrical applications.</p>	5030 CTE OS - Electrical Technology (9-12)
<p>171481 Work Based Learning - Electrical This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Electrical pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	0099 CTE OS - Work Based Learning Coordinator (6-12) 5030 CTE OS - Electrical Technology (9-12) 7016 CTE - Career Counselor (6-12)

Electronics Technology Pathway

<p>130010 Manufacturing Careers Exploration This optional course serves as an introduction to different manufacturing systems, including electronics, electrical technology, automated manufacturing, precision machining, industrial mechanics, and welding. Students will become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing.</p>	5018 CTE OS – Electronics Technology (6-12) 5022 CTE OS – Automated Manufacturing (6-12) 6109 CTE OS – Industrial Mechanics (6-12) 6232 CTE OS – Precision Machining (6-12) 6236 CTE OS – Certified Welding (6-12)
<p>171062 Electronics Technology Level I</p>	5018 CTE OS - Electronics Technology (6-12)

	5030 CTE OS - Electrical Technology (9-12)
<p>171063 Electronics Technology Level II This is the second course in the three-course Electronics Technology pathway. Students will be required to develop a project development plan and do research on the various projects they will build as a part of the course. Students will be involved in projects which will reinforce problem solving, teaming, language arts, science, and mathematics skills through real-life industry examples and procedures. The course will give students the opportunity to build and test devices that use DC to series-parallel circuits, AC concepts, digital, and solid-state circuits.</p>	5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)
<p>171064 CAPSTONE: Electronics Technology Level III This is the third course of a three-course Electronics Technology pathway. Students will refine their project development plan and develop more detailed projects in final form during the course. The course will give students the opportunity to build and test advanced level devices that use DC principles for RC and RL circuits and AC concepts. Digital and solid-state circuits including FET, IC, and combinational logic applications will be studied and tested. Academic subject fields will be reinforced throughout all aspects of the course and students will be expected to practice proper customer relations skills at all times.</p>	5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)
<p>171480 Work Based Learning - Electronics Technology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Electronics Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	0099 CTE OS - Work Based Learning Coordinator (6-12) 5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12) 7016 CTE - Career Counselor (6-12)

Heavy Duty Truck and Equipment Pathway

<p>201033 Transportation Careers Exploration This optional course exposes students to the opportunities available in the transportation industry, including automotive; heavy duty truck and equipment; powersports and outdoor power equipment; and automotive collision repair technology. Students will also learn about emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>6310 CTE OS – Powersports and Outdoor Power Equipment (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Duty Truck and Equipment (6-12)</p>
<p>201070 Heavy Duty Truck and Equipment I This is the first course of a three-course program designed to prepare students with skills for the field maintenance of heavy-duty trucks and equipment, and in general maintenance and overhaul of such equipment. Includes instruction in inspection, maintenance, and repair of tracks, wheels, brakes, operating controls, pneumatic and hydraulic systems, electrical circuitry, engines, and techniques of welding and brazing. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic heavy-duty truck and equipment applications.</p>	<p>6120 CTE OS - Heavy Duty Truck and Equipment (6-12)</p>
<p>201071 Heavy Duty Truck and Equipment II This is the second course in a three-course program. A course designed to provide students with heavy duty truck and equipment applications.</p>	<p>6120 CTE OS - Heavy Duty Truck and Equipment (6-12)</p>
<p>201072 CAPSTONE: Heavy Duty Truck and Equipment This is the third course in a three-course program. A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards.</p>	<p>6120 CTE OS - Heavy Duty Truck and Equipment (6-12)</p>
<p>201483 Work Based Learning - Heavy Duty Truck and Equipment This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Heavy Duty Truck and Equipment pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6120 CTE OS - Heavy Duty Truck and Equipment (6-12) 7016 CTE - Career Counselor (6-12)</p>

HVAC Pathway

<p>170010 Construction Careers Exploration This optional course exposes students to the career opportunities available in the construction industry, including carpenter, cabinetmaker, electrician, heating/air conditioning technician, plumber, and other related occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>170562 HVAC Level I This is the first course in a three-course pathway. Students will be introduced to residential, commercial, and industrial work in HVAC trades. This sequence of courses is designed to guide students into the Idaho HVAC Apprenticeship program. Students will learn important skills of the HVAC trade such as: safety, theory, applied mathematics, HVAC codes, blueprint reading, tools, and career opportunities.</p>	<p>6010 CTE OS - HVAC Technology (6-12)</p>
<p>170560 HVAC Level II This is the second course in a three-course pathway where students will continue to build their knowledge in residential, commercial, and industrial work in HVAC trades. Students will learn intermediate skills of the HVAC trade such as: safety, theory, applied mathematics, HVAC codes, blueprint reading, tools, and career opportunities.</p>	<p>6010 CTE OS - HVAC Technology (6-12)</p>
<p>170565 CAPSTONE: HVAC Level III This is the third course in a three-course pathway. Students will learn more advanced HVAC theory of refrigeration as applied to air conditioning theory, electrical theory, motors and basic electrical controls, International Fuel Gas and Mechanical Code, and installation methods. Students will explore residential, commercial and/or industrial HVAC applications.</p>	<p>6010 CTE OS - HVAC Technology (6-12)</p>
<p>170980 Work Based Learning - HVAC This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the HVAC pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6010 CTE OS - HVAC Technology (6-12) 7016 CTE - Career Counselor (6-12)</p>

Industrial Maintenance Mechanics Pathway

<p>130010 Manufacturing Careers Exploration This optional course serves as an introduction to different manufacturing systems, including electronics, electrical technology, automated manufacturing, precision machining, industrial mechanics, and welding. Students will become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing.</p>	<p>5018 CTE OS – Electronics Technology (6-12) 5022 CTE OS – Automated Manufacturing (6-12) 6109 CTE OS – Industrial Mechanics (6-12) 6232 CTE OS – Precision Machining (6-12) 6236 CTE OS – Certified Welding (6-12)</p>
<p>130022 Industrial Maintenance Mechanics Level I This is the first course in a three-course program of the Industrial Maintenance Mechanics pathway. Industrial mechanics is a program designed to prepare students with skills in shop practices, welding, basic machine shop, metal working, troubleshooting, rigging, equipment installation, maintenance, and repair for a variety of systems found in industrial operations including drive components, piping systems, pumps, hydraulic and pneumatic systems, electronic systems, and bearings and seals, as well as skills in the set-up and operation of preventive maintenance programs. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic industrial mechanics.</p>	<p>6109 CTE OS - Industrial Mechanics (6-12)</p>
<p>130023 Industrial Maintenance Mechanics Level II This is the second course in a three-course program leading to industry certification in Industrial Maintenance Mechanics. A course designed to provide students with industrial mechanics applications.</p>	<p>6109 CTE OS - Industrial Mechanics (6-12)</p>
<p>130024 CAPSTONE: Industrial Maintenance Mechanics Level III This is the third course in a three-course program leading to industry certification in Industrial Maintenance Mechanics. A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards.</p>	<p>6109 CTE OS - Industrial Mechanics (6-12)</p>
<p>130981 Work Based Learning - Industrial Mechanics This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Industrial Mechanics pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6109 CTE OS - Industrial Mechanics (6-12) 7016 CTE - Career Counselor (6-12)</p>

Plumbing Pathway

<p>170010 Construction Careers Exploration This optional course exposes students to the career opportunities available in the construction industry, including carpenter, cabinetmaker, electrician, heating/air conditioning technician, plumber, and other related occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>170582 Plumbing Level I This is the first course in a three-course pathway. Students will be introduced to residential, commercial, and industrial work in plumbing trades. This sequence of courses is designed to guide students into the Idaho Plumbing Apprenticeship program. Students will learn important skills of the plumbing trade such as: safety, theory, applied mathematics, plumbing code, blueprint reading, tools, and career opportunities.</p>	<p>6015 CTE OS - Plumbing Technology (6-12)</p>
<p>170580 Plumbing Level II This is the second course in a three-course pathway where students will continue to build their knowledge in residential, commercial, and industrial work in plumbing trades. Students will learn intermediate skills of the plumbing trade such as: safety, theory, applied mathematics, plumbing code, blueprint reading, tools, and career opportunities.</p>	<p>6015 CTE OS - Plumbing Technology (6-12)</p>
<p>170585 CAPSTONE: Plumbing Level III This is the third course in a three-course pathway. Students will learn more advanced plumbing theory, the Uniform Plumbing Code, Idaho Plumbing Code, residential and commercial installations, blueprint reading and estimating, job safety, and plumbing repairs. Students will explore residential, commercial and/or industrial plumbing applications.</p>	<p>6015 CTE OS - Plumbing Technology (6-12)</p>
<p>170981 Work Based Learning - Plumbing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the plumbing pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6015 CTE OS - Plumbing Technology (6-12) 7016 CTE - Career Counselor (6-12)</p>

Powersports and Outdoor Power Equipment Pathway

<p>201033 Transportation Careers Exploration This optional course exposes students to the opportunities available in the transportation industry, including automotive; heavy duty truck and equipment; powersports and outdoor power equipment; and automotive collision repair technology. Students will also learn about emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>6310 CTE OS – Powersports and Outdoor Power Equipment (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Duty Truck and Equipment (6-12)</p>
<p>201101 Powersports and Outdoor Power Equipment I This is the first course in a three-course Powersports and Outdoor Power Equipment pathway. The pathway is designed to prepare students with technical skills in the powersports and outdoor power equipment industry, including workplace safety; use of hand, precision measuring, and power tools; 2-stroke and 4-stroke engine inspection and repair; lubrication and cooling systems; electrical systems; fuel, ignition, and engine management systems; drives, clutches, axles and transmissions; brakes; suspension and steering; and hydraulic systems.</p>	<p>6310 CTE OS - Powersports and Outdoor Power Equipment (6-12)</p>
<p>201102 Powersports and Outdoor Power Equipment II This is the second course in a three-course program. A course designed to provide students with powersports and outdoor power equipment applications. Students will be expected to diagnose and repair common equipment failures and make proper recommendations for maintenance of equipment to customers.</p>	<p>6310 CTE OS - Powersports and Outdoor Power Equipment (6-12)</p>
<p>201103 CAPSTONE: Powersports and Outdoor Power Equipment III This is the third course in a three-course program. A course designed to provide student with skills including teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards. Students should be familiar with a wide variety of powersports applications and outdoor power equipment including ATVs, UTVs, marine applications, snowmobiles, motorcycles, chainsaws, lawn tractors, and industrial applications.</p>	<p>6310 CTE OS - Powersports and Outdoor Power Equipment (6-12)</p>
<p>201480 Work Based Learning – Powersports and Outdoor Power Equipment This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Powersports and</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6310 CTE OS - Powersports and Outdoor Power Equipment (6-12) 7016 CTE - Career Counselor (6-12)</p>

Outdoor Power Equipment pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.

Precision Machining Pathway

<p>130010 Manufacturing Careers Exploration This optional course serves as an introduction to different manufacturing systems, including electronics, electrical technology, automated manufacturing, precision machining, industrial mechanics, and welding. Students will become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing.</p>	<p>5018 CTE OS – Electronics Technology (6-12) 5022 CTE OS – Automated Manufacturing (6-12) 6109 CTE OS – Industrial Mechanics (6-12) 6232 CTE OS – Precision Machining (6-12) 6236 CTE OS – Certified Welding (6-12)</p>
<p>130982 Work Based Learning - Precision Machining This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Precision Machining pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6232 CTE OS - Precision Machining (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>132030 Precision Machining Level I This is the first course in a three-course program leading to industry certification in precision machining. Precision machining is a program designed to prepare students with skills to shape metal parts on machines such as lathes, grinders, drill presses, milling machines, and shapers. Includes instruction in making computations related to work dimensions, CNC and EDM machines, testing feeds, and speeds of machines using precision measuring instruments such as layout tools, micrometers, and gauges; machining and heat-treating various metals; and in laying out machine parts. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic precision machining.</p>	<p>6232 CTE OS - Precision Machining (6-12)</p>
<p>132031 Precision Machining Level II This is the second course in a three-course program. A course designed to provide students with precision machining applications.</p>	<p>6232 CTE OS - Precision Machining (6-12)</p>
<p>132032 CAPSTONE: Precision Machining Level III</p>	<p>6232 CTE OS - Precision Machining (6-12)</p>

This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing/producing to industry standards.

Welding Pathway

<p>130010 Manufacturing Careers Exploration This optional course serves as an introduction to different manufacturing systems, including electronics, electrical technology, automated manufacturing, precision machining, industrial mechanics, and welding. Students will become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing.</p>	<p>5018 CTE OS – Electronics Technology (6-12) 5022 CTE OS – Automated Manufacturing (6-12) 6109 CTE OS – Industrial Mechanics (6-12) 6232 CTE OS – Precision Machining (6-12) 6236 CTE OS – Certified Welding (6-12)</p>
<p>132070 Welding Level I This is the first course in a three-course program; the content includes use of blueprints and shop drawing; use of gases and/or welding processes; and brazing parts according to diagrams, blueprints, or written specification. Laboratory activities are an integral part of this program and provide instruction in various processes and techniques of welding and fabrication skills including oxyacetylene welding and cutting, brazing, arc welding, MIG welding, flux core arc welding, TIG welding, certification test preparation and use of current industry standards and techniques. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic welding. The course introduces students to the metallic processes used in metals fabrication and provides them instruction on measurement and layout of material to be welded. Blueprint reading and fundamentals of welding applications is the main component of instruction.</p>	<p>6236 CTE OS - Certified Welding (6-12)</p>
<p>132071 Welding Level II This is the second course in a three course. A course designed to provide students with welding applications. Students will be provided the initial stages of instruction that will prepare them for certification as an entry level welder.</p>	<p>6236 CTE OS - Certified Welding (6-12)</p>
<p>132072 CAPSTONE: Welding Level III This is the third course in a three-course program. A course designed to provide student with teamwork, problem solving, diagnostics, and designing, repairing, fabricating, or building to industry standards.</p>	<p>6236 CTE OS - Certified Welding (6-12)</p>
<p>132480 Work Based Learning - Certified Welding</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12)</p>

<p>This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.</p> <p>This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The Work Based learning (WBL) placement must specifically align to the Certified Welding pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>6236 CTE OS - Certified Welding (6-12) 7016 CTE - Career Counselor (6-12)</p>
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INDIVIDUALIZED OCCUPATIONAL TRAINING (IOT)

IOT Pathway

<p>221521 Career Exploration and Employment Preparation A foundation course in the IOT program designed to assist students in establishing career and educational direction, and to prepare them for a Work Based learning experience suited to their strengths and motivations.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>229980 Work Based Learning Experience I This is the first semester of a student's Work Based learning experience at an approved worksite. Technical instruction is provided by a community worksite mentor/trainer and coordinated by a properly endorsed instructor. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. The tracking of the Work Based learning experience is a requirement.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>229981 Work Based Learning Experience II This is the second semester of a Work Based learning experience. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. The tracking of the Work Based learning experience is a requirement.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>229982 Work Based Learning Experience III This is the third semester of a Work Based learning experience at an approved worksite. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. The tracking of the Work Based learning experience is a requirement.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>229983 Work Based Learning Experience IV This is the fourth semester of a Work Based learning experience at an approved worksite. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. Work Based Learning Experience IV should be taken during the second semester of the student's Senior year and should include a Work Based learning project completed by the student. The tracking of the Work Based learning experience is a requirement.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>

MIDDLE SCHOOL CAREER GUIDANCE

First Steps Career Exploration

<p>221510 First Steps: Understanding the World of Work through Career and Technical Education (CTE) <i>This assignment may only be taught by an instructor who has completed the First Steps Standards Professional Development Course.</i></p> <p>This career development course based on Idaho's First Steps Standards may be offered to 7th and 8th grade students to meet requirements of Idaho Code. In this course, students begin to discover their own career identity through self-evaluation, career exploration, and future planning. Students learn about CTE and other career pathways across the national career clusters; students can also connect with business and industry professionals. Collaborative learning is used to practice workplace skills for career readiness.</p>	<p>-0001 Any Valid CTE Endorsement Code and Successful completion of the State Board of Education- approved First Steps Standards Professional Development Course*</p> <p>NOTE: Non-CTE certified instructors who are teaching this assignment must first successfully complete First Steps Standards Professional Development Course. For ISEE reporting, use Idaho Department of Education assignment code 20005 to align with their certification.</p> <p>* As evidenced by the instructor holding a stacked microcredential in SkillStack®</p>
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CTE ASSIGNMENTS

Assignments

<p>313000 CTE - Other District Staff CTE - Other District Staff should be assigned to an individual who is CTE endorsed and provides, coordinates, manages, or directs services within a variety of areas. These individuals are not providing direct services to students nor performing supervisory duties over other certificated personnel.</p>	<p>-0001 Any Valid CTE Endorsement Code</p>
<p>460600 CTE Administrator Coordinates, manages, or directs services within a career technical education program.</p>	<p>0055 CTE Administrator (6-12)</p>
<p>800010 Grades 6-8 Agriculture, Food, and Natural Resources This code is to be used at the middle school level ONLY if another Agriculture, Food, and Natural Resources ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.</p>	<p>0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Powersports and Outdoor Power Equipment (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>800020 Grades 6-8 Business and Marketing This code is to be used at the middle school level ONLY if another Business and Marketing ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12)</p>

	4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
800030 Grades 6-8 Engineering and Technology Education This code is to be used at the middle school level ONLY if another Engineering and Technology Education ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.	5015 CTE OS - Pre-Engineering Technology (6-12) 6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9400 CTE - Computer Science (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
800040 Grades 6-8 Family and Consumer Sciences and Human Services This code is to be used at the middle school level ONLY if another Family and Consumer Sciences and Human Services ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.	1085 CTE OS - Hospitality Services (6-12) 2030 CTE OS - Dietitian (6-12) 3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 6262 CTE OS - Cosmetology (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
800050 Grades 6-8 Trades and Industry This code is to be used at the middle school level ONLY if another Trades and Industry ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.	5018 CTE OS - Electronics Technology (6-12) 5022 CTE OS - Automated Manufacturing (6-12) 5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS - Automotive Maintenance and Light Repair (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 6109 CTE OS - Industrial Mechanics (6-12) 6120 CTE OS - Heavy Duty Truck and Equipment (6-12)

	6232 CTE OS - Precision Machining (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Powersports and Outdoor Power Equipment (6-12)
800060 Grades 6-8 Health Professions and Public Safety This code is to be used at the middle school level ONLY if another Health Professions and Public Safety ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)
900001 Advisory - CTE The Advisory - CTE course code should be assigned when a CTE-endorsed instructor mentors the students in an advisory class. If students are not present, do not assign another ISEE Code.	-001 Any Valid CTE Endorsement Code
900002 Aide - CTE Classroom Aide - CTE Classroom should be assigned to a CTE-endorsed instructor who has a student aide serving in his or her classroom.	-001 Any Valid CTE Endorsement Code
900010 Grades 9-12 Agriculture, Food and Natural Resources This code is to be used at the high school level ONLY if another Agriculture, Food, and Natural Resources ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0109 CTE OS - Ag Business Management (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems 0140 CTE OS - Food Science and Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Powersports and Outdoor Power Equipment (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

<p>900020 Grades 9-12 Business and Marketing This code is to be used at the high school level ONLY if another Business and Marketing ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.</p>	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
<p>900030 Grades 9-12 Engineering and Technology Education This code is to be used at the high school level ONLY if another Engineering and Technology Education ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.</p>	5015 CTE OS - Pre-Engineering Technology (6-12) 6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12) 6151 CTE OS - Programming and Web Technologies (6-12) 6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9400 CTE - Computer Science (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
<p>900040 Grades 9-12 Family and Consumer Sciences and Human Services This code is to be used at the high school level ONLY if another Family and Consumer Sciences and Human Services ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.</p>	1085 CTE OS - Hospitality Services (6-12) 2030 CTE OS - Dietitian (6-12) 3020 CTE OS - Child Development Care and Guidance (6-12) 3022 CTE OS - Child Development and Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 6262 CTE OS - Cosmetology (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
<p>900050 Grades 9-12 Trades and Industry This code is to be used at the high school level ONLY if another Trades and Industry ISEE assignment code does not best reflect what the teacher is teaching.</p>	5018 CTE OS - Electronics Technology (6-12) 5022 CTE OS - Automated Manufacturing (6-12) 5030 CTE OS - Electrical Technology (9-12)

<p>Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.</p>	<p>6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS - Automotive Maintenance and Light Repair (6-12) 6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 6109 CTE OS - Industrial Mechanics (6-12) 6120 CTE OS - Heavy Duty Truck and Equipment (6-12) 6232 CTE OS - Precision Machining (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Powersports and Outdoor Power Equipment (6-12)</p>
<p>900060 Grades 9-12 Health Professions and Public Safety This code is to be used at the high school level ONLY if another Health Professions and Public Safety ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Program Added Cost Funds.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)</p>

CROSSWALK OF ISEE ENDORSEMENT CODES TO ASSIGNMENT CODES

***Restricted** –Teacher of Record (TOR) must have additional training

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
-0001	Any Valid CTE Endorsement Code	221510*	First Steps: Understanding the World of Work through Career and Technical Education (CTE)
		313000	CTE - Other District Staff
		900001	Advisory - CTE
		900002	Aide - CTE Classroom
0055	CTE Administrator (6-12)	460600	CTE Administrator
0099	CTE OS - Work Based Learning Coordinator (6-12)	100480	Work Based Learning - Computer Support
		101481	Work Based Learning - Network Support
		101980	Work Based Learning - Programming and Software Development
		102480	Work Based Learning - Business Digital Communications
		102481	Work Based Learning - Web Design and Development
		109981	Work Based Learning - Cybersecurity
		111480	Work Based Learning - Digital Media Technology Journalism
		111980	Work Based Learning - Graphic Design
		111981	Work Based Learning - Digital Media Technology Broadcasting
		111982	Work Based Learning - Digital Media Technology Commercial Photography
		120480	Work Based Learning - Administrative Services
		120980	Work Based Learning - Business Management
		121480	Work Based Learning - Applied Accounting
		121980	Work Based Learning - Marketing
		130980	Work Based Learning - Automated Manufacturing
		130981	Work Based Learning - Industrial Mechanics
		130982	Work Based Learning - Precision Machining
		132480	Work Based Learning - Certified Welding
		140980	Work Based Learning - Dental Assisting
		140981	Work Based Learning - Emergency Medical Technician
140982	Work Based Learning - Nursing Assistant		
140983	Work Based Learning - Rehabilitation Services		
		141980	Work Based Learning - Medical Assisting
		141981	Work Based Learning - Pharmacy Technician
		150980	Work Based Learning - Law Enforcement

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0099	CTE OS - Work Based Learning Coordinator (6-12) <i>Continued</i>	151980	Work Based Learning - Firefighting
		160980	Work Based Learning - Hospitality Services
		160981	Work Based Learning - Hospitality Management
		160982	Work Based Learning - Culinary Arts
		170480	Work Based Learning - Construction Trades
		170481	Work Based Learning - Cabinetmaking and Bench Carpentry
		170980	Work Based Learning - HVAC
		170981	Work Based Learning - Plumbing
		171480	Work Based Learning - Electronics Technology
		171481	Work Based Learning - Electrical
		180980	Work Based Learning - Ornamental Horticulture
		180981	Work Based Learning - Plant and Soil
		181480	Work Based Learning - Animal Science
		182480	Work Based Learning - Agribusiness/Economics
		182481	Work Based Learning - Agriculture Communications and Leadership
		184480	Work Based Learning - Agriculture Mechanics and Power Systems
		184481	Work Based Learning - Agriculture Small Engine Repair/Power Sports
		184482	Work Based Learning - Agriculture Welding
		185482	Work Based Learning - Ecology and Natural Resource Management
		191480	Work Based Learning - Cosmetology
		191980	Work Based Learning - Child Development and Services
		191981	Work Based Learning - Education and Training
		192982	Work Based Learning - Apparel and Textiles
		201480	Work Based Learning - Powersports and Outdoor Power Equipment
		201481	Work Based Learning - Automotive Collision Repair
		201482	Work Based Learning - Automotive Maintenance and Light Repair
		201483	Work Based Learning - Heavy Duty Truck and Equipment
		201484	Work Based Learning - Aircraft Maintenance
		210480	Work Based Learning - Pre-Engineering Technology
		211480	Work Based Learning - Drafting and Design
		221520	Strategies for Success
221521	Career Exploration and Employment Preparation		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0099	CTE OS - Work Based Learning Coordinator (6-12) <i>Continued</i>	229980	Work Based Learning Experience I
		229981	Work Based Learning Experience II
		229982	Work Based Learning Experience III
		229983	Work Based Learning Experience IV
0108	CTE OS - Animal Health and Veterinary Sci (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180051	Introduction to Environmental Science Technology
		180052	Environmental Sciences Technology Applications
		180510	Introduction to Agricultural Plant Industry
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
		181040	Equine Science
		181041	Advanced Equine Science
		181050	Veterinary Science
		181070	Science of Animal Nutrition
		181480	Work Based Learning - Animal Science
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		183060	Aquaculture Science
		183080	Ag Biotechnology
		183081	Food Science
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		185040	Natural Resource Science
185053	Forestry and Wildlife Management		
185054	Fish and Wildlife Science		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0108	CTE OS - Animal Health and Veterinary Sci (6-12) <i>Continued</i>	800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0109	CTE OS - Ag Business Management (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		180512	Applied Crop Management
		180521	Floral Design and Marketing
		180522	Advanced Floral Design and Marketing
		180523	Applied Greenhouse and Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work Based Learning - Ornamental Horticulture
		181010	Introduction to Livestock Industry
		181013	Applied Livestock Management
		182010	Agribusiness Management and Marketing
		182011	Agricultural Business and Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182031	Advanced Leadership in Agriculture and Marketing
		182032	Principles of Agricultural Communications and Leadership
		182040	Agricultural Economics
		182480	Work Based Learning - Agribusiness/Economics
		182481	Work Based Learning - Agriculture Communications and Leadership
		184010	Introduction to Agricultural Mechanics
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
		0110	CTE OS - Agricultural Production (6-12)
180015	Introduction to Natural Resources and Ecosystem Services		
180020	Introduction to Agricultural Industry		
180040	Agricultural Biology		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title		
0110	CTE OS - Agricultural Production (6-12) <i>Continued</i>	180510	Introduction to Agricultural Plant Industry		
		180511	Science of Plant Growth and Development		
		180512	Applied Crop Management		
		180513	Plant and Soil Science		
		180514	Standards of Agricultural Plant Science		
		180515	Horticulture Plant Science		
		180520	Landscape Design		
		180521	Floral Design and Marketing		
		180522	Advanced Floral Design and Marketing		
		180523	Applied Greenhouse and Nursery Management		
		180981	Work Based Learning - Plant and Soil		
		181010	Introduction to Livestock Industry		
		181011	Animal Science		
		181013	Applied Livestock Management		
		181017	Science of Animal Reproduction		
		181018	Standards of Agricultural Animal Science		
		181020	Small Animal Care		
		181040	Equine Science		
		181041	Advanced Equine Science		
		181050	Veterinary Science		
		181070	Science of Animal Nutrition		
		182010	Agribusiness Management and Marketing		
		182011	Agricultural Business and Economics		
		182012	Agricultural Sales		
		182020	Experiential Learning and SAE Programs		
		182030	Personal Skill Development		
		182040	Agricultural Economics		
				182480	Work Based Learning - Agribusiness/Economics
				183060	Aquaculture Science
				183080	Ag Biotechnology
				183081	Food Science
				184010	Introduction to Agricultural Mechanics

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0110	CTE OS - Agricultural Production (6-12) <i>Continued</i>	185021	Forestry Science
		185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0114	CTE OS - Farm and Ranch Management (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		180512	Applied Crop Management
		181010	Introduction to Livestock Industry
		181013	Applied Livestock Management
		181018	Standards of Agricultural Animal Science
		181050	Veterinary Science
		182010	Agribusiness Management and Marketing
		182011	Agricultural Business and Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182040	Agricultural Economics
		182480	Work Based Learning - Agribusiness/Economics
		184010	Introduction to Agricultural Mechanics
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0118	CTE OS - Animal Science (6-12)	180020	Introduction to Agricultural Industry
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0118	CTE OS - Animal Science (6-12) <i>Continued</i>	181020	Small Animal Care
		181040	Equine Science
		181041	Advanced Equine Science
		181050	Veterinary Science
		181070	Science of Animal Nutrition
		181480	Work Based Learning - Animal Science
		183060	Aquaculture Science
		183490	Precision Agriculture
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0119	CTE OS - Agribusiness (6-12)	180020	Introduction to Agricultural Industry
		180510	Introduction to Agricultural Plant Industry
		180513	Plant and Soil Science
		181010	Introduction to Livestock Industry
		181011	Animal Science
		182010	Agribusiness Management and Marketing
		182011	Agricultural Business and Economics
		182012	Agricultural Sales
		182031	Advanced Leadership in Agriculture and Marketing
		182480	Work Based Learning - Agribusiness/Economics
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0120	CTE OS - Agricultural Leadership and Communications (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180050	Environmental Science
		180512	Applied Crop Management
		180513	Plant and Soil Science
		180515	Horticulture Plant Science
		180523	Applied Greenhouse and Nursery Management
		181010	Introduction to Livestock Industry
		181011	Animal Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title	
0120	CTE OS - Agricultural Leadership and Communications (6-12) <i>Continued</i>	181013	Applied Livestock Management	
		182020	Experiential Learning and SAE Programs	
		182030	Personal Skill Development	
		182032	Principles of Agricultural Communications and Leadership	
		182481	Work Based Learning - Agriculture Communications and Leadership	
		183081	Food Science	
		184010	Introduction to Agricultural Mechanics	
		800010	Grades 6-8 Agriculture, Food, and Natural Resources	
		900010	Grades 9-12 Agriculture, Food and Natural Resources	
0130	CTE OS - Agricultural Power Machinery (6-12)	180010	Introduction to Agriculture Education	
		180015	Introduction to Natural Resources and Ecosystem Services	
		180020	Introduction to Agricultural Industry	
		180040	Agricultural Biology	
		180510	Introduction to Agricultural Plant Industry	
		181010	Introduction to Livestock Industry	
		182020	Experiential Learning and SAE Programs	
		182030	Personal Skill Development	
		183490	Precision Agriculture	
		184010	Introduction to Agricultural Mechanics	
		184011	Small Gasoline Engines	
		184012	Agricultural Power Technology - Large Engines	
		184013	Agricultural Systems/Electricity and Hydraulics	
		184014	Agricultural Machinery	
		184015	Agricultural Structures	
		184016	Advanced Small Gasoline Engines	
		184017	Standards of Agricultural Mechanics and Power Systems	
			184040	Agricultural Welding
			184041	Advanced Agricultural Welding
			184042	Agricultural Power Technology
	184043	Agricultural Fabrication		
	184480	Work Based Learning - Agriculture Mechanics and Power Systems		
	184481	Work Based Learning - Agriculture Small Engine Repair/Power Sports		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0130	CTE OS - Agricultural Power Machinery (6-12) <i>Continued</i>	184482	Work Based Learning - Agriculture Welding
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0131	CTE OS - Agriculture Mechanics and Power Systems	180020	Introduction to Agricultural Industry
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		184012	Agricultural Power Technology - Large Engines
		184013	Agricultural Systems/Electricity and Hydraulics
		184014	Agricultural Machinery
		184017	Standards of Agricultural Mechanics and Power Systems
		184040	Agricultural Welding
		184042	Agricultural Power Technology
		184480	Work Based Learning - Agriculture Mechanics and Power Systems
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0140	CTE OS - Food Science and Processing Technology (6-12)	180020	Introduction to Agricultural Industry
		181011	Animal Science
		183050	Sanitation in Food Processing
		183052	Introduction to Equipment in Food Processing
		183056	Standards of Food Science and Processing Technology
		183080	Ag Biotechnology
		183081	Food Science
		183480	Work Based Learning - Food Science and Processing
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0150	CTE OS - Horticulture (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title		
0150	CTE OS - Horticulture (6-12) <i>Continued</i>	180511	Science of Plant Growth and Development		
		180512	Applied Crop Management		
		180513	Plant and Soil Science		
		180514	Standards of Agricultural Plant Science		
		180515	Horticulture Plant Science		
		180520	Landscape Design		
		180521	Floral Design and Marketing		
		180522	Advanced Floral Design and Marketing		
		180523	Applied Greenhouse and Nursery Management		
		180524	Standards of Agricultural Ornamental Horticulture		
		180980	Work Based Learning - Ornamental Horticulture		
		180981	Work Based Learning - Plant and Soil		
		181010	Introduction to Livestock Industry		
		182010	Agribusiness Management and Marketing		
		182011	Agricultural Business and Economics		
		182012	Agricultural Sales		
		182020	Experiential Learning and SAE Programs		
		182030	Personal Skill Development		
		182040	Agricultural Economics		
		182480	Work Based Learning - Agribusiness/Economics		
		183081	Food Science		
		184010	Introduction to Agricultural Mechanics		
		184011	Small Gasoline Engines		
		185021	Forestry Science		
		185056	Advanced Forestry Science		
		185057	Range Science		
				800010	Grades 6-8 Agriculture, Food, and Natural Resources
				900010	Grades 9-12 Agriculture, Food and Natural Resources
		0151	CTE OS - Ornamental Horticulture (6-12)	180510	Introduction to Agricultural Plant Industry
				180513	Plant and Soil Science
180515	Horticulture Plant Science				
180520	Landscape Design				

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0151	CTE OS - Ornamental Horticulture (6-12) <i>Continued</i>	180521	Floral Design and Marketing
		180522	Advanced Floral Design and Marketing
		180523	Applied Greenhouse and Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work Based Learning - Ornamental Horticulture
		182012	Agricultural Sales
		182031	Advanced Leadership in Agriculture and Marketing
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0152	CTE OS - Plant and Soil (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180050	Environmental Science
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth and Development
		180512	Applied Crop Management
		180513	Plant and Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science
		180520	Landscape Design
		180521	Floral Design and Marketing
		180522	Advanced Floral Design and Marketing
		180523	Applied Greenhouse and Nursery Management
		180981	Work Based Learning - Plant and Soil
		183490	Precision Agriculture
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0161	CTE OS - Aquaculture (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180050	Environmental Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0161	CTE OS – Aquaculture (6-12) <i>Continued</i>	180051	Introduction to Environmental Science Technology
		180052	Environmental Science Technology Applications
		189953	Advanced Environmental Science Technology Applications
		180510	Introduction to Agricultural Plant Industry
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
		181070	Science of Animal Nutrition
		181480	Work Based Learning - Animal Science
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		183060	Aquaculture Science
		183080	Ag Biotechnology
		183081	Food Science
		184010	Introduction to Agricultural Mechanics
		185040	Natural Resource Science
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185482	Work Based Learning - Ecology and Natural Resource Management
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
0170	CTE OS - Forestry (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180050	Environmental Science
		180051	Introduction to Environmental Science Technology
		180052	Environmental Science Technology Applications
		180053	Advanced Environmental Science Technology Applications
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth and Development

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title		
0170	CTE OS - Forestry (6-12) <i>Continued</i>	180512	Applied Crop Management		
		180513	Plant and Soil Science		
		180514	Standards of Agricultural Plant Science		
		180515	Horticulture Plant Science		
		180520	Landscape Design		
		180521	Floral Design and Marketing		
		180522	Advanced Floral Design and Marketing		
		180523	Applied Greenhouse and Nursery Management		
		180524	Standards of Agricultural Ornamental Horticulture		
		180980	Work Based Learning - Ornamental Horticulture		
		180981	Work Based Learning - Plant and Soil		
		181010	Introduction to Livestock Industry		
		181013	Applied Livestock Management		
		182020	Experiential Learning and SAE Programs		
		182030	Personal Skill Development		
		183060	Aquaculture Science		
		183490	Precision Agriculture		
		184010	Introduction to Agricultural Mechanics		
		185021	Forestry Science		
		185040	Natural Resource Science		
		185053	Forestry and Wildlife Management		
		185054	Fish and Wildlife Science		
		185056	Advanced Forestry Science		
		185057	Range Science		
		185482	Work Based Learning - Ecology and Natural Resource Management		
				800010	Grades 6-8 Agriculture, Food, and Natural Resources
				900010	Grades 9-12 Agriculture, Food and Natural Resources
0174	CTE OS - Natural Resource Management (6-12)	180010	Introduction to Agriculture Education		
		180015	Introduction to Natural Resources and Ecosystem Services		
		180020	Introduction to Agricultural Industry		
		180040	Agricultural Biology		
		180050	Environmental Science		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title		
0174	CTE OS - Natural Resource Management (6-12) <i>Continued</i>	180051	Introduction to Environmental Sciences Technology		
		180052	Environmental Sciences Technology Applications		
		180053	Advanced Environmental Science Technology Applications		
		180510	Introduction to Agricultural Plant Industry		
		180511	Science of Plant Growth and Development		
		180512	Applied Crop Management		
		180513	Plant and Soil Science		
		180514	Standards of Agricultural Plant Science		
		180515	Horticulture Plant Science		
		180520	Landscape Design		
		180521	Floral Design and Marketing		
		180522	Advanced Floral Design and Marketing		
		180523	Applied Greenhouse and Nursery Management		
		180524	Standards of Agricultural Ornamental Horticulture		
		180980	Work Based Learning - Ornamental Horticulture		
		180981	Work Based Learning - Plant and Soil		
		181010	Introduction to Livestock Industry		
		181013	Applied Livestock Management		
		182020	Experiential Learning and SAE Programs		
		182030	Personal Skill Development		
		183060	Aquaculture Science		
		183490	Precision Agriculture		
		184010	Introduction to Agricultural Mechanics		
		185021	Forestry Science		
		185040	Natural Resource Science		
				185053	Forestry and Wildlife Management
				185054	Fish and Wildlife Science
				185056	Advanced Forestry Science
				185057	Range Science
				185482	Work Based Learning - Ecology and Natural Resource Management
				800010	Grades 6-8 Agriculture, Food, and Natural Resources
				900010	Grades 9-12 Agriculture, Food and Natural Resources

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0175	CTE OS - Ecology and Natural Resource Management (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180050	Environmental Science
		180051	Introduction to Environmental Science Technology
		180052	Environmental Science Technology Applications
		180053	Advanced Environmental Science Technology Applications
		180510	Introduction to Agricultural Plant Industry
		183490	Precision Agriculture
		185021	Forestry Science
		185040	Natural Resource Science
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		185482	Work Based Learning - Ecology and Natural Resource Management
		1010	CTE OS - Marketing (6-12)
900010	Grades 9-12 Agriculture, Food and Natural Resources		
120010	Business Essentials		
120090	Business Communications		
120560	International Business and Marketing		
120561	Business Marketing		
120991	Supply Chain Logistics		
121040	Accounting I		
121610	Retail Merchandising		
121630	Sports and Entertainment Marketing		
121640	Principles of Marketing		
121650	Principles of Promotion		
121660	Principles of Management		
121670	Marketing Economics (Applied Economics)		
121671	Digital Marketing		
121980	Work Based Learning - Marketing		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title		
1010	CTE OS - Marketing (6-12) <i>Continued</i>	121981	Marketing School-Based Enterprise		
		129985	Marketing Research		
		800020	Grades 6-8 Business and Marketing		
		900020	Grades 9-12 Business and Marketing		
1085	CTE OS - Hospitality Services (6-12)	160980	Work Based Learning - Hospitality Services		
		161510	Hospitality Services		
		161512	Introduction to Hospitality Essentials		
		161513	Explore Hospitality and Tourism		
		161550	Tour Idaho		
		221010	Leadership		
		800040	Grades 6-8 Family and Consumer Sciences and Human Services		
1087	CTE OS - Hospitality Management (6-12)	100050	Business Computer Applications I		
		102030	Introduction to Interactive Media		
		120010	Business Essentials		
		120090	Business Communications		
		120540	Business Law/Ethics Applications		
		120552	Business Management		
		120990	Leadership in Business and Marketing		
		120991	Supply Chain Logistics		
		121040	Accounting I		
		121640	Principles of Marketing		
		121660	Principles of Management		
		121670	Marketing Economics (Applied Economics)		
		160550	Hospitality Management I		
		160551	Hospitality Management II		
				160981	Work Based Learning - Hospitality Management
				161511	Travel and Tourism
161521	Promoting Hospitality and Tourism				
161522	Travel and Tourism II: Travel as a Business				
161530	Geography for Travel and Tourism				
800020	Grades 6-8 Business and Marketing				

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
1087	CTE OS - Hospitality Management (6-12) <i>Continued</i>	900020	Grades 9-12 Business and Marketing
2000	CTE OS - Orientation to Health Professions (6-12)	140010	Fundamentals of Health Professions
		141050	Clinical Specialties
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
2011	CTE OS - Dental Assisting (6-12)	140010	Fundamentals of Health Professions
		140540	Fundamentals of Dental Assisting
		140980	Work Based Learning - Dental Assisting
		141050	Clinical Specialties
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
2030	CTE OS - Dietitian (6-12)	140010	Fundamentals of Health Professions
		141050	Clinical Specialties
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		160530	Foundational Foods
		221010	Leadership
		222080	Family Health and Wellness
		222510	Healthy Living, Healthy World
		222511	Food and Nutrition
		222512	Food Science and Nutrition
		222515	Teen Living
		222518	Advanced Nutrition and Wellness
		800040	Grades 6-8 Family and Consumers Sciences and Human Services
		800060	Grades 6-8 Health Professions and Public Safety
	900040	Grades 9-12 Family and Consumer Sciences and Human Services	
	900060	Grades 9-12 Health Professions and Public Safety	

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2033	CTE OS - Nursing Assistant (6-12)	140010	Fundamentals of Health Professions
		140510	Nursing Assistant
		140982	Work Based Learning - Nursing Assistant
		140990	Mental Health Assistant
		141050	Clinical Specialties
		141520	Pharmacy Technician
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		141981	Work Based Learning - Pharmacy Technician
		900060	Grades 6-8 Health Professions and Public Safety
2055	CTE OS - Rehabilitation Services (6-12)	140010	Fundamentals of Health Professions
		140620	Fundamentals of Rehabilitation Services
		140622	Rehabilitation Services
		140983	Work Based Learning - Rehabilitation Services
		141050	Clinical Specialties
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
2085	CTE OS - Emergency Medical Technician (6-12)	140010	Fundamentals of Health Professions
		140550	Emergency Medical Technician
		140551	Emergency Medical Responder
		140552	Emergency Medical Technician II
		140981	Work Based Learning - Emergency Medical Technician
		141050	Clinical Specialties
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		150010	Orientation to Police, Fire, and Emergency Services
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2087	CTE OS - Paramedic (6-12)	140010	Fundamentals of Health Professions
		140550	Emergency Medical Technician
		140551	Emergency Medical Responder
		140552	Emergency Medical Technician II
		140981	Work Based Learning - Emergency Medical Technician
		141050	Clinical Specialties
		141520	Pharmacy Technician
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		141981	Work Based Learning - Pharmacy Technician
2094	CTE OS - Medical Assisting (6-12)	140010	Fundamentals of Health Professions
		141050	Clinical Specialties
		141514	Fundamentals of Medical Assisting
		141515	Advanced Medical Assisting
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		141980	Work Based Learning - Medical Assisting
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
		2095	CTE OS - Pharmacy Technician (6-12)
141050	Clinical Specialties		
141520	Pharmacy Technician		
141540	Medical Terminology		
141551	Anatomy and Physiology for Health Professions		
141981	Work Based Learning - Pharmacy Technician		
800060	Grades 6-8 Health Professions and Public Safety		
900060	Grades 9-12 Health Professions and Public Safety		
2098	CTE OS - Sports Medicine/Athletic Training (6-12)	140010	Fundamentals of Health Professions
		140620	Fundamentals of Rehabilitation Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2098	CTE OS - Sports Medicine/Athletic Training (6-12) <i>Continued</i>	140622	Rehabilitation Services
		140983	Work Based Learning - Rehabilitation Services
		141050	Clinical Specialties
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
3020	CTE OS - Child Development Care and Guidance (6-12)	191530	Early Childhood Professions
		191531	Early Childhood Education
		191540	Explore Working with Young Children
		191980	Work Based Learning - Child Development and Services
		221010	Leadership
		222510	Healthy Living, Healthy World
		222513	Teen Parenting
		222514	Parenting and Child Development
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences and Human Services
		900040	Grades 9-12 Family and Consumer Sciences and Human Services
3022	CTE OS - Child Development and Services (6-12)	191530	Early Childhood Professions
		191531	Early Childhood Education
		191540	Explore Working with Young Children
		191980	Work Based Learning - Child Development and Services
		221010	Leadership
		222513	Teen Parenting
		222514	Parenting and Child Development
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences and Human Services
		900040	Grades 9-12 Family and Consumer Sciences and Human Services
3023	CTE OS - Food Service (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
3023	CTE OS - Food Service (6-12) <i>Continued</i>	160560	International Cuisine
		160980	Work Based Learning - Hospitality Services
		160982	Work Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality and Tourism
		161550	Tour Idaho
		221010	Leadership
		222510	Healthy Living, Healthy World
		222511	Food and Nutrition
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences and Human Services
		900040	Grades 9-12 Family and Consumer Sciences and Human Services
3025	CTE OS - Culinary Arts (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods
		160560	International Cuisine
		160980	Work Based Learning - Hospitality Services
		160982	Work Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality and Tourism
		161550	Tour Idaho
		221010	Leadership
		222510	Healthy Living, Healthy World
		222511	Food and Nutrition
222515	Teen Living		
800040	Grades 6-8 Family and Consumer Sciences and Human Services		
900040	Grades 9-12 Family and Consumer Sciences and Human Services		
3027	CTE OS - Culinary Arts (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods
		160560	International Cuisine

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title		
3027	CTE OS - Culinary Arts (6-12) <i>Continued</i>	160980	Work Based Learning - Hospitality Services		
		160982	Work Based Learning - Culinary Arts		
		161510	Hospitality Services		
		161512	Introduction to Hospitality Essentials		
		161513	Explore Hospitality and Tourism		
		161550	Tour Idaho		
		221010	Leadership		
		222511	Food and Nutrition		
		800040	Grades 6-8 Family and Consumer Sciences and Human Services		
		900040	Grades 9-12 Family and Consumer Sciences and Human Services		
		3030	CTE OS - Apparel/Textiles (6-12)	192010	Fashion/Design and Merchandising
				192011	Fashion and Textiles
				192012	Fashion Strategies
				192030	Apparel Construction Fundamentals
				192031	Apparel Design Technology
				192050	Housing, Interiors, and Furnishings
		192982	Work Based Learning - Apparel and Textiles		
		221010	Leadership		
		222510	Healthy Living, Healthy World		
		222515	Teen Living		
		800040	Grades 6-8 Family and Consumer Sciences and Human Services		
		900040	Grades 9-12 Family and Consumer Sciences and Human Services		
3035	CTE OS - Apparel/Textiles (6-12)	192010	Fashion/Design and Merchandising		
		192011	Fashion and Textiles		
		192012	Fashion Strategies		
		192030	Apparel Construction Fundamentals		
		192031	Apparel Design Technology		
		192050	Housing, Interiors, and Furnishings		
		192982	Work Based Learning - Apparel and Textiles		
		221010	Leadership		
800040	Grades 6-8 Family and Consumer Sciences and Human Services				

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
3035	CTE OS - Apparel/Textiles (6-12) <i>Continued</i>	900040	Grades 9-12 Family and Consumer Sciences and Human Services
4012	CTE OS - Administrative Services (6-12)	100050	Business Computer Applications I
		100051	Business Computer Applications II
		102030	Introduction to Interactive Media
		111040	Publishing I
		120010	Business Essentials
		120021	Office Technologies
		120030	Business Administration
		120090	Business Communications
		120480	Work Based Learning - Administrative Services
		120540	Business Law/Ethics Applications
		120552	Business Management
		121013	Personal Business Finance
		121040	Accounting I
		121640	Principles of Marketing
121670	Marketing Economics (Applied Economics)		
129998	Business Math		
800020	Grades 6-8 Business and Marketing		
900020	Grades 9-12 Business and Marketing		
4015	CTE OS - Business Management/Finance (6-12)	100010	Computer Technology I
		100050	Business Computer Applications I
		100051	Business Computer Applications II
		120010	Business Essentials
		120021	Office Technologies
		120030	Business Administration
		120090	Business Communications
		120480	Work Based Learning - Administrative Services
		120530	Business Ownership and Entrepreneurship
		120540	Business Law and Ethics Applications
		120552	Business Management
		120560	International Business and Marketing
		120561	Business Marketing

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4015	CTE OS - Business Management/Finance (6-12) <i>Continued</i>	120980	Work Based Learning - Business Management
		120990	Leadership in Business and Marketing
		120991	Supply Chain Logistics
		121011	Financial Services
		121012	Banking and Finance Services
		121013	Personal Business Finance
		121030	Financial Planning and Financial Operations
		121040	Accounting I
		121041	Accounting II
		121043	Excel for Accounting
		121050	Economics and the World of Finance
		121060	Principles of Insurance
		121630	Sports and Entertainment Marketing
		121640	Principles of Marketing
		121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		121671	Digital Marketing
		121980	Work Based Learning - Marketing
		129985	Marketing Research
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4017	CTE OS - Business Management (6-12)	100050	Business Computer Applications I
		100051	Business Computer Applications II
		120010	Business Essentials
		120090	Business Communications
		120530	Business Ownership and Entrepreneurship
		120540	Business Law and Ethics Applications
		120552	Business Management
		120560	International Business and Marketing
		120980	Work Based Learning - Business Management
		120991	Supply Chain Logistics
		121013	Personal Business Finance

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4017	CTE OS - Business Management (6-12) <i>Continued</i>	121040	Accounting I
		121043	Excel for Accounting
		121640	Principles of Marketing
		121670	Marketing Economics (Applied Economics)
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4020	CTE OS - Microcomputer Applications (6-12)	100050	Business Computer Applications I
		100051	Business Computer Applications II
		100510	Information Technology
		120010	Business Essentials
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4022	CTE OS - Business Digital Communications (6-12)	100050	Business Computer Applications I
		102010	Web Design I - Introduction to XHTML and XML
		102011	Web Design II - Web Site Authoring Tools
		102014	Business Digital Communications
		102030	Introduction to Interactive Media
		102480	Work Based Learning - Business Digital Communications
		110550	Interactive Media - Video I
		110551	Interactive Media - Video II
		111040	Publishing I
		111041	Publishing II
		111530	Interactive Media - Graphics I
		111534	Interactive Media - Graphics II
		120090	Business Communications
		800020	Grades 6-8 Business and Marketing
900020	Grades 9-12 Business and Marketing		
4024	CTE OS - Information/Communication Tech (6-12)	100010	Computer Technology I
		100011	Computer Technology II
		100030	Fundamentals of Information Systems Technology
		100050	Business Computer Applications I

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4024	CTE OS - Information/Communication Tech (6-12) <i>Continued</i>	100051	Business Computer Applications II
		100052	Business Computer Applications III
		100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100470	Computer Science Advanced Studies
		100510	Information Technology
		100520	Computer Science-Database Design and Programming
		101480	Advanced Networking
		101522	Programming and Software Development I
		101523	Programming and Software Development II
		101524	Programming and Software Development III
		101980	Work Based Learning - Programming and Software Development
		102010	Web Design I - Introduction to XHTML and XML
		102011	Web Design II - Web Site Authoring Tools
		102012	Web Design and Development I
		102013	Web Design and Development II
		102014	Business Digital Communications
		102015	Web Design and Development III
		102030	Introduction to Interactive Media
		102480	Work Based Learning - Business Digital Communications
		102481	Work Based Learning - Web Design and Development
		102540	Computer Support Essentials
		110550	Interactive Media - Video I
		110551	Interactive Media - Video II
		111040	Publishing I
		111041	Publishing II
		111530	Interactive Media - Graphics I
		111534	Interactive Media - Graphics II
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4077	CTE OS - Applied Accounting (6-12)	100050	Business Computer Applications I
		100051	Business Computer Applications II
		120010	Business Essentials
		120090	Business Communications
		120552	Business Management
		121011	Financial Services
		121013	Personal Business Finance
		121040	Accounting I
		121041	Accounting II
		121042	Computerized Accounting
		121043	Excel for Accounting
		121050	Economics and the World of Finance
		121110	Forensic Accounting and Fraud Investigation
		121480	Work Based Learning - Applied Accounting
		129998	Business Math
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
5015	CTE OS - Pre-Engineering Technology (6-12)	210030	Fundamentals of Engineering Technology
		210050	Principles of Engineering
		210051	Technological Design
		210060	Introduction to Engineering Design
		210061	Digital Electronics
		210062	ITEEA Engineering Design
		210064	Engineering Design and Development
		210090	Robotics Engineering
		210093	Robotics and Automation
		210100	Computer Integrated Manufacturing
		210120	Civil Engineering and Architecture
		210130	Aerospace Engineering
		210140	Biotechnical Engineering
		210480	Work Based Learning - Pre-Engineering Technology
		210520	Advanced Design Applications
800030	Grades 6-8 Engineering and Technology Education		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
5015	CTE OS - Pre-Engineering Technology (6-12) <i>Continued</i>	900030	Grades 9-12 Engineering and Technology Education
5018	CTE OS - Electronics Technology (6-12)	130010	Manufacturing Careers Exploration
		171062	Electronics Technology Level I
		171063	Electronics Technology Level II
		171064	Electronics Technology Level III
		171480	Work Based Learning - Electronics Technology
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
5022	CTE OS - Automated Manufacturing (6-12)	130010	Manufacturing Careers Exploration
		130025	Automated Manufacturing Level I
		130026	Automated Manufacturing Level II
		130027	Automated Manufacturing Level III
		130980	Work Based Learning - Automated Manufacturing
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
5030	CTE OS - Electrical Technology (9-12)	170010	Construction Careers Exploration
		171020	Electrical Level II
		171022	Electrical Level I
		171025	Electrical Level III
		171062	Electronics Technology Level I
		171063	Electronics Technology Level II
		171064	Electronics Technology Level III
		171480	Work Based Learning - Electronics Technology
		171481	Work Based Learning - Electrical
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6010	CTE OS - HVAC Technology (6-12)	170010	Construction Careers Exploration
		170560	HVAC Level II
		170562	HVAC Level I
		170565	HVAC Level III
		170980	Work Based Learning - HVAC
		800050	Grades 6-8 Trades and Industry

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6010	CTE OS - HVAC Technology (6-12) <i>Continued</i>	900050	Grades 9-12 Trades and Industry
6015	CTE OS - Plumbing Technology (6-12)	170010	Construction Careers Exploration
		170580	Plumbing Level II
		170582	Plumbing Level I
		170585	Plumbing Level III
		170981	Work Based Learning - Plumbing
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6031	CTE OS - Automotive Collision Repair (6-12)	201033	Transportation Systems Exploration
		201160	Automotive Collision Repair Level I
		201161	Automotive Collision Repair Level II
		201162	Automotive Collision Repair Level III
		201481	Work Based Learning - Automotive Collision Repair
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6032	CTE OS - Automotive Maintenance and Light Repair (6-12)	201030	Automotive Technology Level I
		201031	Automotive Technology Level II
		201032	Automotive Technology Level III
		201033	Transportation Systems Exploration
		201482	Work Based Learning - Automotive Maintenance and Light Repair
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6041	CTE OS - Aircraft Maintenance (6-12)	200010	Aviation Careers Exploration
		200530	Aircraft Maintenance I
		200531	Aircraft Maintenance II
		200532	Aircraft Maintenance III
		201484	Work Based Learning - Aircraft Maintenance
6105	CTE OS - Cabinetmaking and Bench Carpentry (6-12)	170010	Construction Careers Exploration
		170071	Cabinetmaking and Millwork Level I
		170072	Cabinetmaking and Millwork Level II
		170073	Cabinetmaking and Millwork Level III
		170481	Work Based Learning - Cabinetmaking and Bench Carpentry

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6105	CTE OS - Cabinetmaking and Bench Carpentry (6-12) <i>Continued</i>	800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6108	CTE OS - Construction Trades Technology (6-12)	170010	Construction Careers Exploration
		170030	Construction Trades Level I
		170031	Construction Trades Level II
		170032	Construction Trades Level III
		170071	Cabinetmaking and Millwork Level I
		170072	Cabinetmaking and Millwork Level II
		170073	Cabinetmaking and Millwork Level III
		170480	Work Based Learning - Construction Trades
		170481	Work Based Learning - Cabinetmaking and Bench Carpentry
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6109	CTE OS - Industrial Mechanics (6-12)	130010	Manufacturing Careers Exploration
		130022	Industrial Maintenance Mechanics Level I
		130023	Industrial Maintenance Mechanics Level II
		130024	Industrial Maintenance Mechanics Level III
		130981	Work Based Learning - Industrial Mechanics
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6120	CTE OS - Heavy Duty Truck and Equipment (6-12)	201033	Transportation Systems Exploration
		201070	Heavy Duty Truck and Equipment I
		201071	Heavy Duty Truck and Equipment II
		201072	Heavy Duty Truck and Equipment III
		201483	Work Based Learning - Heavy Duty Truck and Equipment
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
		6130	CTE OS - Drafting and Design (6-12)
211021	Drafting I		
211022	Drafting II		
211023	Drafting III		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6130	CTE OS - Drafting and Design (6-12) <i>Continued</i>	211025	3D Solid Modeling
		211480	Work Based Learning - Drafting and Design
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6131	CTE OS - Architectural Drafting Technology (6-12)	211021	Drafting I
		211022	Drafting II
		211023	Drafting III
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6132	CTE OS - Mechanical Drafting Technology (6-12)	211021	Drafting I
		211022	Drafting II
		211023	Drafting III
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6151	CTE OS - Programming and Web Technologies (6-12)	100030	Fundamentals of Information Systems Technology
		100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100210	Cloud Computing I
		100211	Cloud Computing II
		101522	Programming and Software Development I
		101523	Programming and Software Development II
		101524	Programming and Software Development III
		101980	Work Based Learning - Programming and Software Development
		102012	Web Design and Development I
		102013	Web Design and Development II
		102015	Web Design and Development III
		102481	Work Based Learning - Web Design and Development
		800030	Grades 6-8 Engineering and Technology Education
900030	Grades 9-12 Engineering and Technology Education		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6153	CTE OS - Network and Computer Support (6-12)	100030	Fundamentals of Information Systems Technology
		100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100470	Computer Science Advanced Studies
		100480	Work Based Learning - Computer Support
		101010	Networking Support I
		101030	Networking Support II
		101481	Work Based Learning - Network Support
		101522	Programming and Software Development I
		101523	Programming and Software Development II
		101524	Programming and Software Development III
		102012	Web Design and Development I
102015	Web Design and Development III		
102481	Work Based Learning - Web Design and Development		
102530	Desktop Support I		
102531	Desktop Support II		
102532	Technology Assistant Internship		
102540	Computer Support Essentials		
800030	Grades 6-8 Engineering and Technology Education		
900030	Grades 9-12 Engineering and Technology Education		
6154	CTE OS - Networking Support (6-12)	100030	Fundamentals of Information Systems Technology
		100050	Business Computer Applications I
		100470	Computer Science Advanced Studies
		101010	Networking Support I
		101030	Networking Support II
		101481	Work Based Learning - Network Support
		102540	Computer Support Essentials
		103020	Introduction to Cybersecurity and Digital Citizenship
		103021	Cybersecurity I
		103022	Cybersecurity II

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6154	CTE OS - Networking Support (6-12) <i>Continued</i>	103023	Cybersecurity III
		109981	Work Based Learning - Cybersecurity
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6155	CTE OS - Computer Science/Information Technology (6-12)	100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6156	CTE OS - Computer Support Technologies (6-12)	100030	Fundamentals of Information Systems Technology
		100470	Computer Science Advanced Studies
		100480	Work Based Learning - Computer Support
		102530	Desktop Support I
		102531	Desktop Support II
		102540	Computer Support Essentials
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6158	CTE OS - Programming and Software Development (6-12)	100210	Cloud Computing I
		100211	Cloud Computing II
		100470	Computer Science Advanced Studies
		101522	Programming and Software Development I
		101523	Programming and Software Development II
		101524	Programming and Software Development III
		101980	Work Based Learning - Programming and Software Development
		103020	Introduction to Cybersecurity and Digital Citizenship
		103021	Cybersecurity I
		103022	Cybersecurity II
		103023	Cybersecurity III
		109981	Work Based Learning - Cybersecurity
		800030	Grades 6-8 Engineering and Technology Education

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6158	CTE OS - Programming and Software Development (6-12) <i>Continued</i>	900030	Grades 9-12 Engineering and Technology Education
6159	CTE OS - Web Design and Development (6-12)	100210	Cloud Computing I
		100211	Cloud Computing II
		102012	Web Design and Development I
		102013	Web Design and Development II
		102015	Web Design and Development III
		102481	Work Based Learning - Web Design and Development
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6180	CTE OS - Journalism (6-12)	110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111010	Journalism Level I
		111011	Journalism Level II
		111012	Journalism Level III
		111480	Work Based Learning - Digital Media Technology Journalism
		111533	Media Technologies Fundamentals
		111535	Digital Imaging Technology
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6190	CTE OS - Graphic Design (6-12)	110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111010	Journalism Level I
		111011	Journalism Level II
		111012	Journalism Level III
		111480	Work Based Learning - Digital Media Technology Journalism
		111533	Media Technologies Fundamentals
		111535	Digital Imaging Technology
		111540	Graphic Communications Level I

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6190	CTE OS - Graphic Design (6-12) <i>Continued</i>	111541	Graphic Communications Level II
		111542	Graphic Communications Level III
		111980	Work Based Learning - Graphic Design
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
6192	CTE OS - Commercial Photography (6-12)	110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111010	Journalism Level I
		111011	Journalism Level II
		111012	Journalism Level III
		111533	Media Technologies Fundamentals
		111535	Digital Imaging Technology
		111982	Work Based Learning - Digital Media Technology Commercial Photography
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
		6197	CTE OS - Digital Media Production (6-12)
110521	Photography Level II		
110522	Photography Level III		
110552	Video Editing Technology		
111030	Broadcast/Video Technologies Level I		
111031	Broadcast/Video Technologies Level II		
111032	Broadcast/Video Technologies Level III		
111533	Media Technologies Fundamentals		
111981	Work Based Learning - Digital Media Technology Broadcasting		
800030	Grades 6-8 Engineering and Technology Education		
900030	Grades 9-12 Engineering and Technology Education		
6232	CTE OS - Precision Machining (6-12)		
		130982	Work Based Learning - Precision Machining
		132030	Precision Machining Level I
		132031	Precision Machining Level II

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6232	CTE OS - Precision Machining (6-12) <i>Continued</i>	132032	Precision Machining Level III
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6236	CTE OS - Certified Welding (6-12)	130010	Manufacturing Careers Exploration
		132070	Welding Level I
		132071	Welding Level II
		132072	Welding Level III
		132480	Work Based Learning - Certified Welding
		184010	Introduction to Agricultural Mechanics
		184040	Agricultural Welding
		184041	Advanced Agricultural Welding
		184043	Agricultural Fabrication
		184482	Work Based Learning - Agriculture Welding
6262	CTE OS - Cosmetology (6-12)	800010	Grades 6-8 Agriculture, Food, and Natural Resources
		800050	Grades 6-8 Trades and Industry
		900010	Grades 9-12 Agriculture, Food and Natural Resources
		900050	Grades 9-12 Trades and Industry
		191010	Cosmetology I
		191011	Cosmetology II
		191012	Cosmetology III
6280	CTE OS - Firefighting (6-12)	191480	Work Based Learning - Cosmetology
		800040	Grades 6-8 Family and Consumer Sciences and Human Services
		900040	Grades 9-12 Family and Consumer Sciences and Human Services
		150010	Orientation to Police, Fire, and Emergency Services
		151520	Essentials of Firefighting
		151521	Firefighting II
6282	CTE OS - Law Enforcement (6-12)	151980	Work Based Learning - Firefighting
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
		150010	Orientation to Police, Fire, and Emergency Services
6282	CTE OS - Law Enforcement (6-12)	150540	Law Enforcement, Detention, and Corrections I
		150541	Law Enforcement, Detention, and Corrections II

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6282	CTE OS - Law Enforcement (6-12) <i>Continued</i>	150980	Work Based Learning - Law Enforcement
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
6310	CTE OS - Powersports and Outdoor Power Equipment (6-12)	184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		184012	Agricultural Power Technology - Large Engines
		184014	Agricultural Machinery
		184016	Advanced Small Gasoline Engines
		184042	Agricultural Power Technology
		184481	Work Based Learning - Agriculture Small Engine Repair/Power Sports
		201033	Transportation Systems Exploration
		201101	Powersports and Outdoor Power Equipment Level I
		201102	Powersports and Outdoor Power Equipment Level II
		201103	Powersports and Outdoor Power Equipment Level III
		201480	Work Based Learning - Powersports and Outdoor Power Equipment
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		800050	Grades 6-8 Trades and Industry
7016	CTE - Career Counselor (6-12)	900010	Grades 9-12 Agriculture, Food and Natural Resources
		900050	Grades 9-12 Trades and Industry
		100480	Work Based Learning - Computer Support
		101481	Work Based Learning - Network Support
		101980	Work Based Learning - Programming and Software Development
		102480	Work Based Learning - Business Digital Communications
		102481	Work Based Learning - Web Design and Development
		111480	Work Based Learning - Digital Media Technology Journalism
		111980	Work Based Learning - Graphic Design
		111981	Work Based Learning - Digital Media Technology Broadcasting
		111982	Work Based Learning - Digital Media Technology Commercial Photography
		120480	Work Based Learning - Administrative Services
		120980	Work Based Learning - Business Management
		121480	Work Based Learning - Applied Accounting
121980	Work Based Learning - Marketing		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
7016	CTE - Career Counselor (6-12) <i>Continued</i>	130980	Work Based Learning - Automated Manufacturing
		130981	Work Based Learning - Industrial Mechanics
		130982	Work Based Learning - Precision Machining
		132480	Work Based Learning - Certified Welding
		140980	Work Based Learning - Dental Assisting
		140981	Work Based Learning - Emergency Medical Technician
		140982	Work Based Learning - Nursing Assistant
		140983	Work Based Learning - Rehabilitation Services
		141980	Work Based Learning - Medical Assisting
		141981	Work Based Learning - Pharmacy Technician
		150980	Work Based Learning - Law Enforcement
		151980	Work Based Learning - Firefighting
		160980	Work Based Learning - Hospitality Services
		160981	Work Based Learning - Hospitality Management
		160982	Work Based Learning - Culinary Arts
		170480	Work Based Learning - Construction Trades
		170481	Work Based Learning - Cabinetmaking and Bench Carpentry
		170980	Work Based Learning - HVAC
		170981	Work Based Learning - Plumbing
		171480	Work Based Learning - Electronics Technology
		171481	Work Based Learning - Electrical
		180980	Work Based Learning - Ornamental Horticulture
		180981	Work Based Learning - Plant and Soil
		181480	Work Based Learning - Animal Science
		182480	Work Based Learning - Agribusiness/Economics
		182481	Work Based Learning - Agriculture Communications and Leadership
		184480	Work Based Learning - Agriculture Mechanics and Power Systems
		184481	Work Based Learning - Agriculture Small Engine Repair/Power Sports
		184482	Work Based Learning - Agriculture Welding
		185482	Work Based Learning - Ecology and Natural Resource Management
		191480	Work Based Learning - Cosmetology
		191980	Work Based Learning - Child Development and Services
191981	Work Based Learning - Education and Training		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
7016	CTE - Career Counselor (6-12) <i>Continued</i>	192982	Work Based Learning – Apparel/Textiles
		201480	Work Based Learning - Powersports and Outdoor Power Equipment
		201481	Work Based Learning - Automotive Collision Repair
		201482	Work Based Learning - Automotive Maintenance and Light Repair
		201483	Work Based Learning - Heavy Duty Truck and Equipment
		201484	Work Based Learning – Aircraft Maintenance
		210480	Work Based Learning - Pre-Engineering Technology
		211480	Work Based Learning - Drafting and Design
		221520	Strategies for Success
		221521	Career Exploration and Employment Preparation
		229980	Work Based Learning Experience I
		229981	Work Based Learning Experience II
		229982	Work Based Learning Experience III
		229983	Work Based Learning Experience IV
9092	CTE - Marketing Technology Education (6-12)	100050	Business Computer Applications I
		102030	Introduction to Interactive Media
		111040	Publishing I
		111041	Publishing II
		120010	Business Essentials
		120021	Office Technologies
		120090	Business Communications
		120480	Work Based Learning - Administrative Services
		120530	Business Ownership and Entrepreneurship
		120540	Business Law and Ethics Applications
		120552	Business Management
		120560	International Business and Marketing
		120561	Business Marketing
		120980	Work Based Learning - Business Management
		120990	Leadership in Business and Marketing
		120991	Supply Chain Logistics
		121011	Financial Services
		121012	Banking and Finance Services
		121013	Personal Business Finance

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9092	CTE - Marketing Technology Education (6-12) <i>Continued</i>	121020	Banking and Credit
		121030	Financial Planning and Financial Operations
		121040	Accounting I
		121050	Economics and the World of Finance
		121060	Principles of Insurance
		121530	Fashion Merchandising and Marketing
		121610	Retail Merchandising
		121620	E-Commerce
		121630	Sports and Entertainment Marketing
		121640	Principles of Marketing
		121650	Principles of Promotion
		121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		121671	Digital Marketing
		121980	Work Based Learning - Marketing
		121981	Marketing School-Based Enterprise
		129985	Marketing Research
		129990	HSB Leadership
		129991	HSB Wealth Management
		129992	HSB Principles of Business
		129993	HSB Business Economics
		129994	HSB Principles of Marketing
		129995	HSB Principles of Finance
		129996	HSB Principles of Management
		129997	HSB Business Strategies
		129998	Business Math
		160550	Hospitality Management I
		160551	Hospitality Management II
		160981	Work Based Learning - Hospitality Management
		161511	Travel and Tourism
161521	Promoting Hospitality and Tourism		
161522	Travel and Tourism II: Travel as a Business		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9092	CTE - Marketing Technology Education (6-12) <i>Continued</i>	161530	Geography for Travel and Tourism
		221520	Strategies for Success
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
9093	CTE - Business Technology Education (6-12)	100010	Computer Technology I
		100011	Computer Technology II
		100030	Fundamentals of Information Systems Technology
		100050	Business Computer Applications I
		100051	Business Computer Applications II
		100052	Business Computer Applications III
		100510	Information Technology
		100520	Computer Science-Database Design and Programming
		101480	Advanced Networking
		101520	Computer Programming and Software Development I
		101521	Computer Programming and Software Development II
		102010	Web Design I - Introduction to XHTML and XML
		102011	Web Design II - Web Site Authoring Tools
		102014	Business Digital Communications
		102030	Introduction to Interactive Media
		102480	Work Based Learning - Business Digital Communications
		102532	Technology Assistant Internship
		102560	Computer Design and Networking
		110550	Interactive Media - Video I
		110551	Interactive Media - Video II
		111040	Publishing I
		111041	Publishing II
		111530	Interactive Media - Graphics I
		111534	Interactive Media - Graphics II
		120010	Business Essentials
		120021	Office Technologies
		120030	Business Administration
		120090	Business Communications

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) <i>Continued</i>	120480	Work Based Learning - Administrative Services
		120530	Business Ownership and Entrepreneurship
		120540	Business Law and Ethics Applications
		120552	Business Management
		120560	International Business and Marketing
		120561	Business Marketing
		120980	Work Based Learning - Business Management
		120990	Leadership in Business and Marketing
		120991	Supply Chain Logistics
		121011	Financial Services
		121012	Banking and Finance Services
		121013	Personal Business Finance
		121020	Banking and Credit
		121030	Financial Planning and Financial Operations
		121040	Accounting I
		121041	Accounting II
		121042	Computerized Accounting
		121043	Excel for Accounting
		121050	Economics and the World of Finance
		121060	Principles of Insurance
		121110	Forensic Accounting and Fraud Investigation
		121480	Work Based Learning - Applied Accounting
		121490	International Finance
		121530	Fashion Merchandising and Marketing
		121610	Retail Merchandising
		121620	E-Commerce
		121630	Sports and Entertainment Marketing
		121640	Principles of Marketing
		121650	Principles of Promotion
		121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		121671	Digital Marketing

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) <i>Continued</i>	121980	Work Based Learning - Marketing
		121981	Marketing School-Based Enterprise
		129985	Marketing Research
		129990	HSB Leadership
		129991	HSB Wealth Management
		129992	HSB Principles of Business
		129993	HSB Business Economics
		129994	HSB Principles of Marketing
		129995	HSB Principles of Finance
		129996	HSB Principles of Management
		129997	HSB Business Strategies
		129998	Business Math
		160550	Hospitality Management I
		160551	Hospitality Management II
		160981	Work Based Learning - Hospitality Management
		161511	Travel and Tourism
		161521	Promoting Hospitality and Tourism
		161522	Travel and Tourism II: Travel as a Business
		161530	Geography for Travel and Tourism
		221520	Strategies for Success
		221521	Career Exploration and Employment Preparation
		229980	Work Based Learning Experience I
		229981	Work Based Learning Experience II
		229982	Work Based Learning Experience III
		229983	Work Based Learning Experience IV
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
		9400	CTE - Computer Science (6-12)
100130	PLTW Computer Science Essentials		
100140	PLTW Computer Science A		
100150	PLTW Computer Science Principles		
100160	PLTW Cybersecurity		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9400	CTE - Computer Science (6-12) <i>Continued</i>	100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100210	Cloud Computing I
		100211	Cloud Computing II
		100470	Computer Science Advanced Studies
		101522	Programming and Software Development I
		101523	Programming and Software Development II
		101524	Programming and Software Development III
		101980	Work Based Learning - Programming and Software Development
		103020	Introduction to Cybersecurity and Digital Citizenship
		103021	Cybersecurity I
		103022	Cybersecurity II
		103023	Cybersecurity III
		109981	Work Based Learning - Cybersecurity
		221520	Strategies for Success
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
9401	CTE - Engineering (6-12)	210030	Fundamentals of Engineering Technology
		210050	Principles of Engineering
		210051	Technological Design
		210060	Introduction to Engineering Design
		210061	Digital Electronics
		210062	ITEEA Engineering Design
		210064	Engineering Design and Development
		210090	Robotics Engineering
		210092	Introduction to Robotics
		210093	Robotics and Automation
		210100	Computer Integrated Manufacturing
		210120	Civil Engineering and Architecture
		210130	Aerospace Engineering
		210140	Biotechnical Engineering
		210480	Work Based Learning - Pre-Engineering Technology

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9401	CTE - Engineering (6-12) <i>Continued</i>	210520	Advanced Design Applications
		221520	Strategies for Success
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education
9921	CTE - Agriculture Science and Technology (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180050	Environmental Science
		180051	Introduction to Environmental Science Technology
		180052	Environmental Science Technology Applications
		180053	Advanced Environmental Science Technology Applications
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth and Development
		180512	Applied Crop Management
		180513	Plant and Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science
		180520	Landscape Design
		180521	Floral Design and Marketing
		180522	Advanced Floral Design and Marketing
		180523	Applied Greenhouse and Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work Based Learning - Ornamental Horticulture
		180981	Work Based Learning - Plant and Soil
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
181040	Equine Science		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9921	CTE - Agriculture Science and Technology (6-12) <i>Continued</i>	181041	Advanced Equine Science
		181050	Veterinary Science
		181070	Science of Animal Nutrition
		181480	Work Based Learning - Animal Science
		182010	Agribusiness Management and Marketing
		182011	Agricultural Business and Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182031	Advanced Leadership in Agriculture and Marketing
		182032	Principles of Agricultural Communications and Leadership
		182040	Agricultural Economics
		182480	Work Based Learning - Agribusiness/Economics
		182481	Work Based Learning - Agriculture Communications and Leadership
		183050	Sanitation in Food Processing
		183052	Introduction to Equipment in Food Processing
		183056	Standards of Food Science and Processing Technology
		183060	Aquaculture Science
		183080	Ag Biotechnology
		183081	Food Science
		183480	Work Based Learning - Food Science and Processing
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		184012	Agricultural Power Technology - Large Engines
		184013	Agricultural Systems/Electricity and Hydraulics
184014	Agricultural Machinery		
184015	Agricultural Structures		
184016	Advanced Small Gasoline Engines		
184017	Standards of Agricultural Mechanics and Power Systems		
184040	Agricultural Welding		
184041	Advanced Agricultural Welding		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9921	CTE - Agriculture Science and Technology (6-12) <i>Continued</i>	184042	Agricultural Power Technology
		184043	Agricultural Fabrication
		184480	Work Based Learning - Agriculture Mechanics and Power Systems
		184481	Work Based Learning - Agriculture Small Engine Repair/Power Sports
		184482	Work Based Learning - Agriculture Welding
		185021	Forestry Science
		185040	Natural Resource Science
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		185482	Work Based Learning - Ecology and Natural Resource Management
		221520	Strategies for Success
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
9971	CTE - Family and Consumer Sciences (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods
		160560	International Cuisine
		160980	Work Based Learning - Hospitality Services
		160982	Work Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality and Tourism
		161550	Tour Idaho
		190010	Human Services
		190012	Advanced Human Services
		190014	Introduction to Family and Consumer Sciences (FCS) and Human Services Careers
		191510	Education Assistant
		191511	Advanced Education Assistant
		191530	Early Childhood Professions
191531	Early Childhood Education		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9971	CTE - Family and Consumer Sciences (6-12) <i>Continued</i>	191540	Explore Working with Young Children
		191980	Work Based Learning - Child Development and Services
		191981	Work Based Learning - Education and Training
		192010	Fashion/Design and Merchandising
		192011	Fashion and Textiles
		192012	Fashion Strategies
		192030	Apparel Construction Fundamentals
		192050	Housing, Interiors, and Furnishings
		192610	Human Growth and Development
		192982	Work Based Learning - Apparel/Textiles
		221010	Leadership
		221520	Strategies for Success
		221522	Family and Consumer Sciences (FCS) Professions
		221523	Career and Personal Development
		222080	Family Health and Wellness
		222510	Healthy Living, Healthy World
		222511	Food and Nutrition
		222512	Food Science and Nutrition
		222513	Teen Parenting
		222514	Parenting and Child Development
		222515	Teen Living
		222516	Adult Living
		222517	Personal and Family Finance/Economics
		222518	Advanced Nutrition and Wellness
		229984	Entrepreneurship Experience
		800040	Grades 6-8 Family and Consumer Sciences and Human Services
		900040	Grades 9-12 Family and Consumer Sciences and Human Services
		9981	CTE - Technology Education (6-12)
110020	Communication Systems II		
110520	Photography Level I		
110521	Photography Level II		
110522	Photography Level III		

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9981	CTE - Technology Education (6-12) <i>Continued</i>	110552	Video Editing Technology
		111535	Digital Imaging Technology
		111540	Graphic Communications Level I
		130020	Manufacturing Systems I
		130021	Manufacturing Systems II
		170010	Construction Careers Exploration
		170020	Construction Systems I
		170021	Construction Systems II
		170070	Introduction to Cabinetmaking
		170074	Advanced Cabinetmaking
		171060	Introduction to Electronics Technology
		171061	Electronics Applications
		171480	Work Based Learning - Electronics Technology
		201010	Power, Energy, and Transportation Systems
		201011	Power, Energy, and Transportation Systems II
		210030	Fundamentals of Engineering Technology
		210050	Principles of Engineering
		210051	Technological Design
		210060	Introduction to Engineering Design
		210061	Digital Electronics
		210062	ITEEA Engineering Design
		210064	Engineering Design and Development
		210090	Robotics Engineering
		210091	Robotics Applications
		210092	Introduction to Robotics
		210093	Robotics and Automation
		210100	Computer Integrated Manufacturing
		210120	Civil Engineering and Architecture
		210130	Aerospace Engineering
		210140	Biotechnical Engineering
		210480	Work Based Learning - Pre-Engineering Technology
		210520	Advanced Design Applications
		211020	Introduction to Drafting/Design Technology

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9981	CTE - Technology Education (6-12) <i>Continued</i>	211025	3D Solid Modeling
		211030	Introduction to Architectural Design
		211063	Introduction to Mechanical Drafting and Design
		221520	Strategies for Success
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education

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