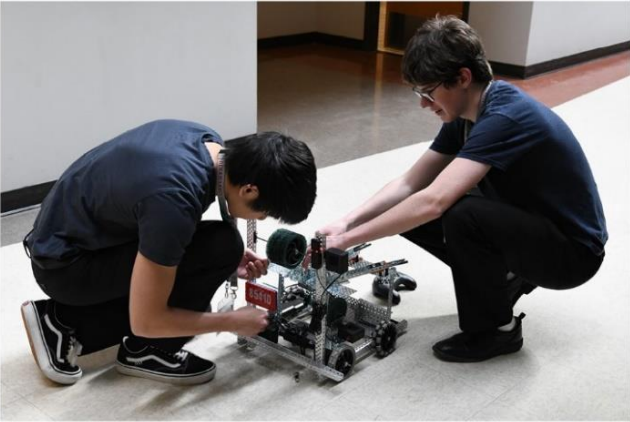# Idaho System for Educational Excellence (ISEE)

CAREER TECHNICAL EDUCATION (CTE) ASSIGNMENT CREDENTIAL MANUAL
ASSIGNMENT/ENDORSMENT CROSSWALK
For Idaho 2023-2024 Secondary ISEE Data Collection and Reporting

Dr. Clay Long, IDCTE Administrator

IDAHO
Division of Career Technical Education

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Contents

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 beginning with fiscal year 2024 (2023-2024 school year), 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. More information will be posted to the CTE Assignment Credential Manual and ISEE Resources page on the CTE website.
    - All instructors of this assignment must have successfully completed State Board of Education-approved professional development as offered through the Idaho Division of Career Technical Education.
    - 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 Career and Technical Education*.
        - If this course is being taught by a non-CTE certificated instructor, use ISEE SDE 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.
  - o 800010 Grades 6-8 Agriculture, Food, and Natural Resources
  - o 800020 Grades 6-8 Business and Marketing Education
  - o 800030 Grades 6-8 Engineering and Technology Education
  - o 800040 Grades 6-8 Family and Consumer Sciences and Human Services
  - o 800050 Grades 6-8 Trades and Industry
  - o 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 <u>only as an exception</u> 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.
  - o 900010 Grades 9-12 Agriculture, Food, and Natural Resources
  - o 900020 Grades 9-12 Business and Marketing Education
  - o 900030 Grades 9-12 Engineering and Technology Education
  - o 900040 Grades 9-12 Family and Consumer Sciences and Human Services
  - o 900050 Grades 9-12 Trades and Industry
  - o 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.
  - o 313000 CTE - Other District Staff. (i.e.: athletic director, technology coordinator, etc.). **Report appropriate assignment FTE.**
  - o 900001 Advisory - CTE (students in class). **Report appropriate assignment FTE.**
  - o 900002 Aide - CTE Classroom. **<u>Do not</u> report assignment FTE (Set assignment FTE as "0.").**
- **<u>DO NOT</u>** use the State 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 2023-2024 CTE Assignment Credential Manual

AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)
- Endorsement Addition to/Deletion from Assignment
  - 0109 CTE OS – Ag Business Management (6-12)
    - 180520 Landscape Design
  - 0130 CTE OS – Agricultural Power Machinery (6-12)
    - 182020 Experiential Learning and SAE Programs
- Course Description Modified
  - 182011 Agricultural Business and Economics
  - 185056 Advanced Forestry Science

BUSINESS AND MARKETING EDUCATION (BME)
- No changes

ENGINEERING AND TECHNOLOGY EDUCATION (ETE)
- Endorsement Addition to/Deletion from Assignment
  - 6157 CTE OS – Computer Science PLTW (6-12_
    - 100130 PLTW Computer Science Essentials
    - 100140 PLTW Computer Science A
    - 100150 PLTW Computer Science Principles
    - 100160 PLTW Cybersecurity

FAMILY AND CONSUMER SCIENCES AND HUMAN SERVICES (FCSANDHS)
- New Assignment
  - 192031 Apparel Design Technology
- Endorsement Addition to/Deletion from Assignment
  - 0074 CTE OS – Family and Consumer Sciences (6-12)
    - 221010 Leadership
    - 222511 Food and Nutrition
  - 2030 CTE OS – Dietitian
    - 222514 Parenting and Child Development
- Assignment Addition to/Deletion from Pathway
  - 192031 Apparel Design Technology added to Apparel/Textiles Pathway
- Couse Description Modified
  - 160523 Introduction to Culinary Arts
  - 160524 Advanced Culinary Arts
  - 160530 Foundational Foods
  - 160560 International Cuisine

Key	
Added	
Removed	
Modified	

- 161510 Hospitality Services
- 161512 Introduction to Hospitality Services
- 161513 Explore Hospitality and Tourism
- 190010 Human Services
- 191510 Education Assistant
- 191511 Advanced Education Assistant
- 192010 Fashion/Design and Merchandising
- 221010 Leadership
- 222080 Family Health and Wellness
- 222511 Food and Nutrition
- 222512 Food Science and Nutrition
- 222513 Teen Parenting
- 222516 Adult Living
- 222517 Personal and Family Finance/Economics
- 222518 Advanced Nutrition and Wellness
- 229984 Entrepreneurship Experience

HEALTH PROFESSIONS AND PUBLIC SAFETY (HPPS)
- Couse Description Modified
  - 140010 Fundamentals of Health Professions
  - 140552 Emergency Medical Technician II

TRADES AND INDUSTRY (TI)
- Endorsement Addition to/Deletion from Assignment
  - 9981 CTE – Technology Education (6-12)
    - 171480 – Work Based Learning – Electronics Technology
- Couse Description Modified
  - 130022 Industrial Maintenance Mechanics Level I
  - 170071 Cabinetmaking and Millwork Level I
  - 170072 Cabinetmaking and Millwork Level II
  - 170073 Cabinetmaking and Millwork Level III
  - 170560 HVAC Level II
  - 170565 HVAC Level III
  - 170580 Plumbing Level II
  - 170585 Plumbing Level III
  - 171020 Electrical Level II
  - 171025 Electrical Level III
  - 201032 Automotive Technology Level III
  - 201160 Automotive Collision Repair Level I
  - 201161 Automotive Collision Repair Level II

- 201162 Automotive Collision Repair Level 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.

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

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.	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)
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.	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)
180020	**Introduction to Agricultural Industry** A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	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)
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	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)

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.	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.	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.	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)

	A course that prepares students to operate enterprises concerned with the production of various field crops.	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)
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.	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.	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)
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.	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)
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.	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)
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.	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)
180523	Applied Greenhouse and Nursery Management A course designed to prepare students in greenhouse and nursery operation and management.	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)

181010	Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.	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)
181011	Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock.	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)
181013	Applied Livestock Management A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.	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)
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.	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)
181020	Small Animal Care A course the 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.	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)
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.	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)
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.	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)
181050	Veterinary Science	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12)

	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.	0114 CTE OS - Farm and Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181070	**Science of Animal Nutrition** A course of study designed to provide learning experiences for students in the areas of animal nutrition and physiology.	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)
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.	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) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
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.	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)
182031	**Advanced Leadership in Agriculture and Marketing**	0109 CTE OS - Ag Business Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

	A course designed to develop advanced skills related to agribusiness and marketing focused on customer service and demonstrated leadership in agriculture.	
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.	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)
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.	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)
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.	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)
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.	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)
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.	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)
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	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)

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.	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) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184011 Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184014 Agricultural Machinery A course designed to develop skills in selection, operation, maintenance, and management of agricultural machinery.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184015 Agricultural Structures A course preparing students to maintain, evaluate, design, and build agriculture structures using approved construction techniques.	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
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.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184043 Agricultural Fabrication A course to develop skills in metal equipment assembly and joining processes.	0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

185021	**Forestry Science** A course designed to introduce students to the biological, environmental, and ecological concepts encountered in a temporal forest environment.	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)
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.	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)
185054	**Fish and Wildlife Science** A course designed to examine the importance of fish and wildlife science, outdoor recreation, and natural resources.	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)
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.	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)
185057	**Range Science** A course designed to acquaint students with principles of conservation, natural resources, ecology, and range science.	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)
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	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE – Agriculture Science and Technology (6-12)

Association) leadership activities are strongly tied to this course. BPA, DECA, FCCLA, FFA, or TSA activities should be integrated into this course.	

Agribusiness Pathway

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) 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)
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.	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)
181010 **Introduction to Livestock Industry** A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.	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) 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.	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.	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.	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)

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.	7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

Agriculture Food Science and Processing Pathway

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.	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)
180020 **Introduction to Agricultural Industry** A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	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)
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.	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)
181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock.	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)
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.	0140 CTE OS - Food Science and Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	0140 CTE OS - Food Science and Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	0140 CTE OS - Food Science and Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
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	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)

	food processing industry and may be used as a companion course to the Family and Consumer Sciences course in Food Science.	
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.	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)

Agriculture Leadership and Communications Pathway

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.	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)
180020	**Introduction to Agricultural Industry** A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	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)
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.	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)
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.	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)
180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures.	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)
180523 Applied Greenhouse and Nursery Management A course designed to prepare students in greenhouse and nursery operation and management.	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)
181010 Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.	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) 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.	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)
181013	Applied Livestock Management A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.	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)
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.	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)
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.	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)
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.	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)
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.	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)
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.	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)
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.	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) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

Agriculture Mechanics and Power Systems Pathway

180020	**Introduction to Agricultural Industry** A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	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)
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.	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)
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.	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) 6310 CTE OS - Small Engine Repair/Power Sports (6-12)

	9921 CTE - Agriculture Science and Technology (6-12)
184011 Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
184013 Agricultural Systems/Electricity and Hydraulics A course designed to develop skills in operation of tools and equipment, wiring, controls, electric motors, and hydraulics.	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)
184014 Agricultural Machinery A course designed to develop skills in selection, operation, maintenance, and management of agricultural machinery.	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)
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.	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)
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.	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)
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.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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 employment. The work-based learning (WBL) placement must specifically align to	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)

	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

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.	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) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184011	Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184014	Agricultural Machinery A course designed to develop skills in selection, operation, maintenance and management of agricultural machinery.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	0130 CTE OS - Agricultural Power Machinery (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184042	Agricultural Power Technology	0130 CTE OS - Agricultural Power Machinery (6-12)

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.	0131 CTE OS - Agriculture Mechanics and Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

Agriculture Welding Pathway

180020 **Introduction to Agricultural Industry** A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	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)
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	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)

repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.	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) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
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.	0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184043 **Agricultural Fabrication** A course to develop skills in metal equipment assembly and joining processes.	0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)

Animal Science Pathway

181010 **Introduction to Livestock Industry** A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.	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) 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.	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)
181013	**Applied Livestock Management** A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.	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)
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.	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)
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.	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)
181020	**Small Animal Care** A course the 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.	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)
181040	**Equine Science**	0108 CTE OS - Animal Health and Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12)

	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.	9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
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.	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)
181070	**Science of Animal Nutrition** A course of study designed to provide learning experiences for students in the areas of animal nutrition and physiology.	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)
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.	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)
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.	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)
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.	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)

Ecology and Natural Resource Management Pathway

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.	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)
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.	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)
180020	Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	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)
180050	Environmental Science	0120 CTE OS - Agricultural Leadership and Communications (6-12) 0152 CTE OS - Plant and Soil (6-12)

	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.	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)
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.	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)
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.	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)
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.	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)
185021	**Forestry Science** A course designed to introduce students to the biological, environmental and ecological concepts encountered in a temporal forest environment.	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)
185040	**CAPSTONE: Natural Resource Science** A course designed to teach the concepts of conservation, natural resources, ecology, and fish/ wildlife science.	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)
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.	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)
185054	**Fish and Wildlife Science** A course designed to examine the importance of fish and wildlife science, outdoor recreation, and natural resources.	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)
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.	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)
185057	**Range Science** A course designed to acquaint students with principles of conservation, natural resources, ecology, and range science.	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)
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.	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)

Ornamental Horticulture Pathway

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) 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)
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.	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)
180515 **Horticulture Plant Science** A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures.	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)
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.	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)
180521 **Floral Design and Marketing**	0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12)

	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.	0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
180523	**Applied Greenhouse and Nursery Management** A course designed to prepare students in greenhouse and nursery operation and management.	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)
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.	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)
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.	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)
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.	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)

Plant and Soil Pathway

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.	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)
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) 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)
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.	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 A course that prepares students to operate enterprises concerned with the production of various field crops.	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) 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.	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.	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.	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

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.	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)
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.	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)
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.	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)
120010 **Business Essentials** A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	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)
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,	4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)

	marketing/entrepreneurship, general business principles, business law, human relations skills, public speaking, business communications, keyboarding skill development, computer applications, career awareness, and job seeking skills.	
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) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
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)
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.	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)
121040	**Accounting I**	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12)

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.	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)
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.	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)
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.	1010 CTE OS - Marketing (6-12) 4012 CTE OS – Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)

Applied Accounting Pathway

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.	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)
120010 Business Essentials	1010 CTE OS - Marketing (6-12)

A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	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)
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.	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)
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.	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)
121041 CAPSTONE: Accounting II Accounting II reinforces and expands the basic principles and procedures learned in Accounting I. Accounting II may include software applications.	4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
121110 Forensic Accounting and Fraud Investigation	4077 CTE OS - Applied Accounting (6-12)

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.	9093 CTE - Business Technology Education (6-12)
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.	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)

BME Cluster

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.	4015 CTE OS - Business Management/Finance (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)

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.	4015 CTE OS - Business Management/Finance (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
101520	**Computer Programming and Software Development I**	9093 CTE - Business Technology Education (6-12)

	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.	
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.	9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	6153 CTE OS - Network and Computer Support (6-12) 9093 CTE - Business Technology Education (6-12)
102560	Computer Design and Networking	9093 CTE - Business Technology Education (6-12)

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.	
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
111530 Interactive Media - Graphics I	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)

	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 have an opportunity to earn Adobe Certification in Photoshop and Illustrator.	
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.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
120010	**Business Essentials** A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	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)
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.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 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) 4015 CTE OS - Business Management/Finance (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.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE OS – Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120552	**Business Management**	4015 CTE OS - Business Management/Finance (6-12)

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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
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.	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)
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.	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)
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.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
121020 **Banking and Credit** 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	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

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.	
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.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9093 CTE - Business Technology Education (6-12)
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.	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)
121060 Principles of Insurance A course designed to introduce students to insurance products, rate-setting, insurance regulations and careers in the industry.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9093 CTE - Business Technology Education (6-12)
121490 International Finance	9093 CTE - Business Technology Education (6-12)

Code	Course	Credential
	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.	
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121610	**Retail Merchandising** A course designed to develop an understanding of the basic principles of product acquisition, pricing, inventory management, visual merchandising and advertising.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

	principles of product benefits and features, advertising strategies, promotion/display, store layout, and personal selling.	
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.	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)
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.	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)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

statistical procedures are used to analyze and solve realistic business and money management problems.	
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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	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)

	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

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.	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)
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.	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)
120010	**Business Essentials** A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	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)
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	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)

	communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.	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 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.	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)
120991	Supply Chain Logistics	4015 CTE OS - Business Management/Finance (6-12)

	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.	4017 CTE OS - Business Management (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
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.	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)
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.	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)
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.	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)

Digital Communications Pathway

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	1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12)

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.	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)
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.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
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.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
102480 Work-Based Learning - Business Digital Communications 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	0099 CTE OS - Work Based Learning Coordinator (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)

the Business Digital Communications pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	
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.	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)
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.	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)
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.	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)
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.	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)
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	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)

preparing materials to web/print industry standards. Students can earn Adobe Certification in Photoshop and Illustrator.	
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.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 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)

High School of Business (HSB) Pathway

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 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.	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)
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	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

	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.	
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129992	HSB Principles of Business Recommend 10th Grade, One Semester 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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

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.	
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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129995 HSB Principles of Finance Recommend 11th or 12th Grade, One Semester; Prerequisites: Principles of Business and Business Economics 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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129996 HSB Principles of Management Recommend 11t or 12th Grade, One Semester: Prerequisites: Principles of Business and Business Economics	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

	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.	
129997	CAPSTONE: HSB Business Strategies Prerequisites: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, and Principles of Management 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.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

Hospitality Management Pathway

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.	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)
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.	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)

120010	Business Essentials	1010 CTE OS - Marketing (6-12)
	A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	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)
120090	Business Communications	1010 CTE OS - Marketing (6-12)
	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.	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)
120540	Business Law and Ethics Applications	1087 CTE OS - Hospitality Management (6-12)
	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.	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)
120552	Business Management	1087 CTE OS - Hospitality Management (6-12)
	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.	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)
120991	Supply Chain Logistics	1087 CTE OS - Hospitality Management (6-12)
	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.	9093 CTE - Business Technology Education (6-12)
121040	Accounting I	1010 CTE OS - Marketing (6-12)
	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	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

	profession and/or preparation for further study in accounting. Accounting I may include software applications.	4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
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.	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)
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.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
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	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

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.	
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.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

Marketing Pathway

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.	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)
102030 **Introduction to Interactive Media**	1087 CTE OS - Hospitality Management (6-12) 4022 CTE OS - Business Digital Communications (6-12)

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.	4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120010 Business Essentials A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	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)
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)
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.	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)
120561 CAPSTONE: Business Marketing A capstone focused on the business and marketing world of finance, economics, law, management, entrepreneurship, and marketing and trade.	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)
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.	1010 CTE OS - Marketing (6-12) 9092 CTE OS – Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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	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)

profession and/or preparation for further study in accounting. Accounting I may include software applications.	4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121610 Retail Merchandising A course designed to develop an understanding of the basic principles of product acquisition, pricing, inventory management, visual merchandising, and advertising.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)
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.	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)
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.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12)

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.	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)
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.	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)
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.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
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.	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)

ENGINEERING AND TECHNOLOGY EDUCATION (ETE)

Commercial Photography Pathway

110520	**Photography Level I** A course designed to introduce students to basic commercial photography.	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)
110521	**Photography Level II** A course designed to provide students with commercial photography applications.	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)
110522	**CAPSTONE: Photography Level III** A course designed to provide students with teamwork, creative thinking, problem solving, diagnostics and creative designing to industry standards.	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)
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.	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)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6192 CTE OS - Commercial Photography (6-12) 7016 CTE - Career Counselor (6-12)

Computer Support Pathway

Code	Course	Credentials
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.)	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)
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.	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)
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.	6153 CTE OS - Network and Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)
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.	6153 CTE OS - Network and Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)
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.	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)

Cybersecurity Pathway

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.	6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)
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.	6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)
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.	6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)
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.	6154 CTE OS - Networking Support (6-12) 6158 CTE OS – Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)
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.	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)

Digital Media Production Pathway

111030 Broadcast/Video Technologies Level I A course designed to introduce students to the basic concepts of the broadcast technology field.	6197 CTE OS - Digital Media Production (6-12)
111031 Broadcast/Video Technologies Level II A course designed to cover the technical aspects of the broadcast field, audio and video equipment usage.	6197 CTE OS - Digital Media Production (6-12)
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.	6197 CTE OS - Digital Media Production (6-12)
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.	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)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6197 CTE OS - Digital Media Production (6-12) 7016 CTE - Career Counselor (6-12)

Drafting and Design Pathway

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.	6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)

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.	6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)
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.	6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)
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.	6130 CTE OS - Drafting and Design (6-12) 9981 CTE - Technology Education (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6130 CTE OS - Drafting and Design (6-12) 7016 CTE - Career Counselor (6-12)

ETE Cluster

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.	9400 CTE – Computer Science (6-12)
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.	9400 CTE – Computer Science (6-12)
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.	9400 CTE – Computer Science (6-12)
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.	9400 CTE – Computer Science (6-12)
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	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)

covers such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.	
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.	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)
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.	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)
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.	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)
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.	9981 CTE - Technology Education (6-12)
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	9981 CTE - Technology Education (6-12)

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.	
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.	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)
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.	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)
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)

Projects are designed and produced using computer-assisted manufacturing 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.	
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
171060 Introduction to Electronics Technology	9981 CTE - Technology Education (6-12)

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.	
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
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	9981 CTE - Technology Education (6-12)

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.	
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.	9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	5015 CTE OS – Pre-Engineering Technology (6-12) 9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)
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	9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)

	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.	
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
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.	9981 CTE - Technology Education (6-12)
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	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)

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

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.	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)
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.	6190 CTE OS - Graphic Design (6-12) 9981 CTE - Technology Education (6-12)
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.	6190 CTE OS - Graphic Design (6-12)
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.	6190 CTE OS - Graphic Design (6-12)
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	0099 CTE OS - Work Based Learning Coordinator (6-12) 6190 CTE OS - Graphic Design (6-12) 7016 CTE - Career Counselor (6-12)

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

Journalism Pathway

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.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12)
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.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12)
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.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12)
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.	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)
111533 **Media Technologies Fundamentals**	6180 CTE OS - Journalism (6-12)

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.	6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)

Network Support Pathway

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.)	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)
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.	6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12)
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.	6153 CTE OS - Network and Computer Support (6-12) 6154 CTE OS - Networking Support (6-12)
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	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)

	the Network Support pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	
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.	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)

Pre-Engineering (Engineering by Design – EbD) Pathway

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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
210062	**CAPSTONE:** ITEEA Engineering Design	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12)

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.	9981 CTE - Technology Education (6-12)
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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	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)
210520 Advanced Design Applications Advanced Design Applications consists of four units including Manufacturing, Energy and Power, Construction and Transportation. The Manufacturing unit	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)

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.

Pre-Engineering (Project Lead the Way - PLTW) Pathway

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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
210064 **CAPSTONE: Engineering Design and Development**	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12)

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 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.	9981 CTE - Technology Education (6-12)
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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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).	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
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.	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)

Programming and Software Development Pathway

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.)	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)
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.	6151 CTE OS - Programming and Web Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)
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.	6151 CTE OS - Programming and Web Technologies (6-12) 6158 CTE OS - Programming and Software Development (6-12) 9400 CTE – Computer Science (6-12)
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.	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)
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	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)

	good style and logical thinking. Advanced topics include inheritance, exceptions, GUIs, events, and files.	
101524	**CAPSTONE:** Programming and Software Development III 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.	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)
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.	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)

Web Design and Development Pathway

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.)	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)
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.	6151 CTE OS - Programming and Web Technologies (6-12) 6159 CTE OS - Web Design and Development (6-12) 9400 CTE – Computer Science (6-12)

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.	6151 CTE OS - Programming and Web Technologies (6-12) 6159 CTE OS - Web Design and Development (6-12) 9400 CTE – Computer Science (6-12)
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.	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)
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.	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)
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.	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)
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.	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)

FAMILY AND CONSUMER SCIENCES and HUMAN SERVICES (FCSHS)

Apparel/Textiles Pathway

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.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
192030	**Apparel Construction Fundamentals**	3030 CTE OS - Apparel/Textiles (6-12)

	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.	3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	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)

Cosmetology Pathway

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,	6262 CTE OS - Cosmetology (6-12)

and nail care. SkillsUSA leadership activities are strongly tied to and should be integrated into this course.	
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.	6262 CTE OS - Cosmetology (6-12)
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.	6262 CTE OS - Cosmetology (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6262 CTE OS - Cosmetology (6-12) 7016 CTE - Career Counselor (6-12)

Culinary Arts Pathway

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.	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)
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.	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)
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.	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)
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	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)

	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.	
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 Ats pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	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)
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.	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)

Early Childhood Education Pathway

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.	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)

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.	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)
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.	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)
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.	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)
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,	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)

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

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.	9971 CTE - Family and Consumer Sciences (6-12)
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.	9971 CTE - Family and Consumer Sciences (6-12)
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	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)

	America (FCCLA) leadership activities are strongly tied to these pathways. FCCLA activities should be integrated into this course.	
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	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)

FCS Cluster

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.	3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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	2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12)

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.	9971 CTE - Family and Consumer Sciences (6-12)
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.	3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	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)
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.	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)
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	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)

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 and Tourism pathway. FCCLA activities should be integrated into this course. The Introduction to Hospitality Essentials course is a prerequisite for this class.	
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.	9971 CTE - Family and Consumer Sciences (6-12)
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.	9971 CTE - Family and Consumer Sciences (6-12)
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	9971 CTE - Family and Consumer Sciences (6-12)

family and consumer sciences teacher. Course will include reading, math, problem 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.	
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.	9971 CTE - Family and Consumer Sciences (6-12)
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.	3020 CTE OS - Child Development Care and Guidance (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	3020 CTE OS - Child Development Care and Guidance (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
192011 Fashion and Textiles	3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

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.	
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.	3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

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 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.	9971 CTE - Family and Consumer Sciences (6-12)
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.	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)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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,	9971 CTE - Family and Consumer Sciences (6-12)

Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	
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.	9971 CTE - Family and Consumer Sciences (6-12)
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.	2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	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)
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	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)

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.	
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.	2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	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)
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.	3020 CTE OS - Child Development Care and Guidance (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

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 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.	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) 3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
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.	9971 CTE - Family and Consumer Sciences (6-12)
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.	9971 CTE - Family and Consumer Sciences (6-12)
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	2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

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 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.	
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.	9971 CTE - Family and Consumer Sciences (6-12)

Hospitality Services Pathway

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.	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)
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	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)

	Hospitality Services pathway and should be integrated into this course. Food and Nutrition, and Introduction to Hospitality Essentials are course prerequisites.	
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.	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)
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.	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)
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.	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)
222511	**Food and Nutrition**	2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12)

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.	3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

HEALTH PROFESSIONS AND PUBLIC SAFETY (HPPS)

Dental Assisting Pathway

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/hubfs/Partners/NCHSE/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 and 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.	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)
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.	2011 CTE OS - Dental Assisting (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 2011 CTE OS - Dental Assisting (6-12) 7016 CTE - Career Counselor (6-12)
141540	**Medical Terminology**	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12)

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.	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)
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.	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)

Emergency Medical Technician Pathway

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/hubfs/Partners/NCHSE/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 and 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	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)

	planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.	
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.	2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)
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.	2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)
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.	2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)
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.	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)
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.	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)
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.	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

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.	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)
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.	6280 CTE OS - Firefighting (6-12)

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.	6280 CTE OS - Firefighting (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6280 CTE OS - Firefighting (6-12) 7016 CTE - Career Counselor (6-12)

Law Enforcement Pathway

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.	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)
150540	Law Enforcement, Detention, and Corrections I This is the second course in a three-course program. This course is designed to prepare	6282 CTE OS - Law Enforcement (6-12)

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.	
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.	6282 CTE OS - Law Enforcement (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6282 CTE OS - Law Enforcement (6-12) 7016 CTE - Career Counselor (6-12)

Medical Assisting Pathway

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/hubfs/Partners/NCHSE/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 and physiology, medical terminology, medical ethics, current trends in healthcare	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)

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.	
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.	2094 CTE OS - Medical Assisting (6-12)
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 skills, appointment scheduling, accounting, insurance processing, and management skills.	2094 CTE OS - Medical Assisting (6-12)
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.	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)
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.	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)

| 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. | 0099 CTE OS - Work Based Learning Coordinator (6-12)
2094 CTE OS - Medical Assisting (6-12)
7016 CTE - Career Counselor (6-12) |

Nursing Assistant Pathway

| 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/hubfs/Partners/NCHSE/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 and 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. | 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) |
| 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 | 2033 CTE OS – Nursing Assistant (6-12) |

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.	
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 2033 CTE OS - Nursing Assistant (6-12) 7016 CTE - Career Counselor (6-12)
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 Professions. Successful completion of Nursing Assistant pathway is strongly recommended.	2033 CTE OS - Nursing Assistant (6-12)
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.	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)
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.	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)

Pharmacy Technician Pathway

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/hubfs/Partners/NCHSE/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 and 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.	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)
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.	2033 CTE OS - Nursing Assistant (6-12) 2087 CTE OS - Paramedic (6-12) 2095 CTE OS - Pharmacy Technician (6-12)
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,	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)

definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.	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)
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.	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)
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.	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)

Rehabilitation Services Pathway

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/hubfs/Partners/NCHSE/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 and 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	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)

	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.	
140620	**Sports Medicine and Athletic Training** 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.	2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)
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.	2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Training (6-12)
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.	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)
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.	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)
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.	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)

TRADES AND INDUSTRY (TI)

Automated Manufacturing Pathway

130025	**Automated Manufacturing Level I** This is an introductory course, in a three-course program, leading to industry certification in automated manufacturing. Course includes measurement, safety, and circuit diagrams as they relate to automated manufacturing controls. This course includes 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.	5022 CTE OS - Automated Manufacturing (6-12)
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.	5022 CTE OS - Automated Manufacturing (6-12)
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.	5022 CTE OS - Automated Manufacturing (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 5022 CTE OS - Automated Manufacturing (6-12) 7016 CTE - Career Counselor (6-12)

Automotive Collision Repair Pathway

201033	**Transportation Systems Exploration** This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both 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 – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (6-12)
201160	**Automotive Collision Repair Level I** This is the beginning level course of the Automotive Collision Repair pathway designed to introduce students to basic collision repair technology. 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.	6031 CTE OS - Automotive Collision Repair (6-12)
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..	6031 CTE OS - Automotive Collision Repair (6-12)
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.	6031 CTE OS - Automotive Collision Repair (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 7016 CTE - Career Counselor (6-12)

Automotive Maintenance and Light Repair Pathway

201030	Automotive Technology Level I This is the beginning level course of the Automotive technology program. 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.	6032 CTE OS - Automotive Maintenance and Light Repair (6-12)
201031	Automotive Technology Level II This is the second course in a three-course program. A course designed to provide students with automotive technology applications.	6032 CTE OS - Automotive Maintenance and Light Repair (6-12)
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 Systems Exploration This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both 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 – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (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 and Bench Carpentry Pathway

170010 **Construction Careers Exploration** This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other 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** This is the beginning level course of the cabinetmaking and millwork pathway. The cabinetmaking and millwork 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.	6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)
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 millwork skills.	6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)
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.	6105 CTE OS - Cabinetmaking and Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)
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.	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)

Construction Trades Pathway

170010	**Construction Careers Exploration** This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other 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)
170030	**Construction Trades Level I** This is the beginning level course of the residential carpentry/building construction program. Residential carpentry/building construction is a program designed to prepare students with skills 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.	6108 CTE OS - Construction Trades Technology (6-12)
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.	6108 CTE OS - Construction Trades Technology (6-12)
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.	6108 CTE OS - Construction Trades Technology (6-12)
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 Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	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

170010	**Construction Careers Exploration** This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other 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)
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.	5030 CTE OS - Electrical Technology (9-12)
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.	5030 CTE OS - Electrical Technology (9-12)
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.	5030 CTE OS - Electrical Technology (9-12)
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.	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

171062	**Electronics Technology Level I** This is the beginning level course of the electronics technology program. Students should have completed or be currently enrolled in algebra I prior to enrolling in the course. The course will reinforce skill development in applied mathematics and physics through theory and laboratory assignments based on industry procedures. Students will be provided instruction on safety, introduction to the electronics industry, tool and equipment use, soldering techniques, and employability skills, and habits. Students will be involved in activities which will reinforce problem solving, teaming, language arts, science, and mathematics skills which use real-life industry examples and procedures. The course will give students the opportunity to study devices that use DC to series-parallel circuits and AC concepts.	5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)
171063	**Electronics Technology Level II** This is the second level course in the electronics technology program. 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.	5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)
171064	**CAPSTONE: Electronics Technology Level III** This is the third level course in electronics technology. 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 always practice proper customer relations skills.	5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)
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	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)

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

Heavy Equipment/Diesel Technology Pathway

201033 **Transportation Systems Exploration** This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both 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 – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (6-12)
201070 **Heavy Equipment and Diesel Level I** This is the beginning level course of the diesel technology program. Heavy equipment/diesel is a program designed to prepare students with skills for the field maintenance of heavy equipment, and in general maintenance and overhaul of such equipment. Heavy equipment/diesel includes instruction in inspection, maintenance, and repair of tracks, wheels, brakes, operating controls, pneumatic and hydraulic systems, electrical circuitry, engines, and in 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 equipment/diesel applications.	6120 CTE OS - Heavy Equipment/Diesel Technology (6-12)
201071 **Heavy Equipment and Diesel Level II** This is the second course in a three-course program. A course designed to provide students with heavy equipment/diesel applications.	6120 CTE OS - Heavy Equipment/Diesel Technology (6-12)
201072 **CAPSTONE: Heavy Equipment and Diesel Level III** 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.	6120 CTE OS - Heavy Equipment/Diesel Technology (6-12)
201483 **Work-Based Learning - Heavy Equipment and Diesel Technology** This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6120 CTE OS - Heavy Equipment/Diesel Technology (6-12) 7016 CTE - Career Counselor (6-12)

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 Equipment/Diesel Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	

HVAC Pathway

170010	**Construction Careers Exploration** This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other 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)
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.	6010 CTE OS - HVAC Technology (6-12)
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.	6010 CTE OS - HVAC Technology (6-12)
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.	6010 CTE OS - HVAC Technology (6-12)
170980	**Work-Based Learning - HVAC**	0099 CTE OS - Work Based Learning Coordinator (6-12)

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.	6010 CTE OS - HVAC Technology (6-12) 7016 CTE - Career Counselor (6-12)

Industrial Maintenance Mechanics Pathway

130022	Industrial Maintenance Mechanics Level I This is the beginning level course 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, trouble shooting, 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.	6109 CTE OS - Industrial Mechanics (6-12)
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.	6109 CTE OS - Industrial Mechanics (6-12)
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.	6109 CTE OS - Industrial Mechanics (6-12)
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	0099 CTE OS - Work Based Learning Coordinator (6-12) 6109 CTE OS - Industrial Mechanics (6-12) 7016 CTE - Career Counselor (6-12)

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.	

Plumbing Pathway

170010	**Construction Careers Exploration** This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other 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)
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.	6015 CTE OS - Plumbing Technology (6-12)
170580	**Plumbing Level II** This is the second course in a three-course pathway were 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.	6015 CTE OS - Plumbing Technology (6-12)
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.	6015 CTE OS - Plumbing Technology (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6015 CTE OS - Plumbing Technology (6-12) 7016 CTE - Career Counselor (6-12)

| | 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 Pre-Apprenticeship pathway. The WBL experience must be supervised and monitored by a properly endorsed educator. | |

Precision Machining Pathway

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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6232 CTE OS - Precision Machining (6-12) 7016 CTE - Career Counselor (6-12)
132030	**Precision Machining Level I** This is an introductory 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.	6232 CTE OS - Precision Machining (6-12)
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.	6232 CTE OS - Precision Machining (6-12)
132032	**CAPSTONE:** Precision Machining 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/producing to industry standards.	6232 CTE OS - Precision Machining (6-12)

Small Engine Repair/Power Sports Pathway

201033	**Transportation Systems Exploration** This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both 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 – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance and Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (6-12)
201101	**Small Engine Repair Level I** This is the beginning level course of the small engine repair program. Small engine repair is a program designed to prepare students with skills to read service manuals; use microfiche, parts catalogs and the internet; use hand tools, power tools, and overhaul tools; service and recondition engines; troubleshoot and repair governors, speed controls, lubrication, ignition, fuel, power transfer, cooling exhaust, and starting 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 small engine repair. This will involve exploration, dis-assembly, and minor repairs of various small engine equipment components, and the use of tools and measurement devices. A study of two and four stroke cycles, cooling, and lubrication systems will be covered.	6310 CTE OS - Small Engine Repair/Power Sports (6-12)
201102	**Small Engine Repair Level II** This is the second course in a three-course program. A course designed to provide students with small engine repair applications. Students will be expected to diagnose and repair common equipment failures and make proper recommendations for maintenance of equipment to customers.	6310 CTE OS - Small Engine Repair/Power Sports (6-12)
201103	**CAPSTONE: Small Engine Repair 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 to industry standards. Students should be familiar with all types of equipment, engines, and power trains associated with small engines This will include lawn and garden equipment as well as recreational equipment such as outboard engines, snowmobiles, motorcycles, watercraft, and industrial applications.	6310 CTE OS - Small Engine Repair/Power Sports (6-12)
201480	**Work-Based Learning - Small Engine Repair/Power Sports**	0099 CTE OS - Work Based Learning Coordinator (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12)

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 Small Engine Repair/Power Sports pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	7016 CTE - Career Counselor (6-12)

Welding Pathway

132070 **Welding Level I** This is an introductory 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.	6236 CTE OS - Certified Welding (6-12)
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.	6236 CTE OS - Certified Welding (6-12)
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.	6236 CTE OS - Certified Welding (6-12)
132480 **Work-Based Learning - Certified Welding** This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6236 CTE OS - Certified Welding (6-12) 7016 CTE - Career Counselor (6-12)

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.	

INDIVIDUALIZED OCCUPATIONAL TRAINING (IOT)

IOT Pathway

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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
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.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)

MIDDLE SCHOOL CAREER GUIDANCE

First Steps Career Exploration

221510	First Steps: Understanding the World of Work through Career and Technical Education (CTE) *This assignment may only be taught by an instructor who has completed professional development approved by the State Board of Education.* 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.	-0001 Any Valid CTE Endorsement Code* *Where instructor has participated in State Board of Education-approved training as evidenced by the instructor holding a stacked microcredential in SkillStack®.*

CTE ASSIGNMENTS

Assignments

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.	-0001 Any Valid CTE Endorsement Code
460600 **CTE Administrator** Coordinates, manages, or directs services within a career technical education program.	0055 CTE Administrator (6-12)
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.	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 - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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.	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)
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 Equipment/Diesel Technology (6-12) 6232 CTE OS - Precision Machining (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (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 - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6- 12)
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.	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)
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.	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)
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.	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)

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. 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 Equipment/Diesel Technology (6-12) 6232 CTE OS - Precision Machining (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12)
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.	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)

CROSSWALK OF ISEE ENDORSEMENT CODES TO ASSIGNMENT CODES

Restricted – *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) *Continued*	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 - Small Engine Repair/Power Sports
		201481	Work-Based Learning - Automotive Collision Repair
		201482	Work-Based Learning - Automotive Maintenance and Light Repair
		201483	Work-Based Learning - Heavy Equipment/Diesel Technology
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0099	CTE OS - Work Based Learning Coordinator (6-12) *Continued*	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) *Continued*	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)	180010	Introduction to Agriculture Education
		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) *Continued*	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) *Continued*	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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0118	CTE OS - Animal Science (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0120	CTE OS - Agricultural Leadership and Communications (6-12) *Continued*	181011	Animal Science
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0130	CTE OS - Agricultural Power Machinery (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0150	CTE OS - Horticulture (6-12) *Continued*	180040	Agricultural Biology
		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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0151	CTE OS - Ornamental Horticulture (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0161	CTE OS – Aquaculture (6-12) *Continued*	180040	Agricultural Biology
		180050	Environmental Science
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0170	CTE OS - Forestry (6-12) *Continued*	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
0174	CTE OS - Natural Resource Management (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0174	CTE OS - Natural Resource Management (6-12) *Continued*	180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180050	Environmental Science
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0174	CTE OS - Natural Resource Management (6-12) *Continued*	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
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
		800010	Grades 6-8 Agriculture, Food, and Natural Resources
		900010	Grades 9-12 Agriculture, Food and Natural Resources
1010	CTE OS - Marketing (6-12)	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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
1010	CTE OS - Marketing (6-12) *Continued*	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
		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
		900040	Grades 9-12 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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
1087	CTE OS - Hospitality Management (6-12) *Continued*	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
		900020	Grades 9-12 Business and Marketing
2000	CTE OS - Orientation to Health Professions (6-12)	140010	Fundamentals of Health Professions
		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
		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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
		900060	Grades 9-12 Health Professions and Public Safety
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
		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
2055	CTE OS - Rehabilitation Services (6-12)	140010	Fundamentals of Health Professions
		140620	Sports Medicine and Athletic Training
		140622	Rehabilitation Services
		140983	Work-Based Learning - Rehabilitation Services
		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
		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
2087	CTE OS - Paramedic (6-12)	140010	Fundamentals of Health Professions
		140550	Emergency Medical Technician
		140551	Emergency Medical Responder

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2087	CTE OS - Paramedic (6-12) *Continued*	140552	Emergency Medical Technician II
		140981	Work-Based Learning - Emergency Medical Technician
		141520	Pharmacy Technician
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		141981	Work-Based Learning - Pharmacy Technician
		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
2094	CTE OS - Medical Assisting (6-12)	140010	Fundamentals of Health Professions
		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)	140010	Fundamentals of Health Professions
		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	Sports Medicine and Athletic Training
		140622	Rehabilitation Services
		140983	Work-Based Learning - Rehabilitation Services
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2098	CTE OS - Sports Medicine/Athletic Training (6-12) *Continued*	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
		160560	International Cuisine
		160980	Work-Based Learning - Hospitality Services
		160982	Work-Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
3023	CTE OS - Food Service (6-12) *Continued*	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
		160980	Work-Based Learning - Hospitality Services
		160982	Work-Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
3027	CTE OS - Culinary Arts (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4012	CTE OS - Administrative Services (6-12) *Continued*	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
		120980	Work-Based Learning - Business Management
		120990	Leadership in Business and Marketing
		120991	Supply Chain Logistics
		121011	Financial Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4015	CTE OS - Business Management/Finance (6-12) *Continued*	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
		121040	Accounting I
		121043	Excel for Accounting
		121640	Principles of Marketing
		121670	Marketing Economics (Applied Economics)

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4017	CTE OS - Business Management (6-12) *Continued*	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
		100051	Business Computer Applications II
		100052	Business Computer Applications III
		100190	Computer Science I
		100191	Computer Science II

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4024	CTE OS - Information/Communication Tech (6-12) *Continued*	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
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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4077	CTE OS - Applied Accounting (6-12) *Continued*	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
		900030	Grades 9-12 Engineering and Technology Education
5018	CTE OS - Electronics Technology (6-12)	171062	Electronics Technology Level I
		171063	Electronics Technology Level II
		171064	Electronics Technology Level III

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
5018	CTE OS - Electronics Technology (6-12) *Continued*	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)	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6015	CTE OS - Plumbing Technology (6-12) *Continued*	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
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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6108	CTE OS - Construction Trades Technology (6-12) *Continued*	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)	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 Equipment/Diesel Technology (6-12)	201033	Transportation Systems Exploration
		201070	Heavy Equipment and Diesel Level I
		201071	Heavy Equipment and Diesel Level II
		201072	Heavy Equipment and Diesel Level III
		201483	Work-Based Learning - Heavy Equipment and Diesel Technology
		800050	Grades 6-8 Trades and Industry
		900050	Grades 9-12 Trades and Industry
6130	CTE OS - Drafting and Design (6-12)	211020	Introduction to Drafting and Design Technology
		211021	Drafting I
		211022	Drafting II
		211023	Drafting III
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
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
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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6153	CTE OS - Network and Computer Support (6-12) *Continued*	101523	Programming and Software Development II
		101524	Programming and Software Development III
		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
		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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6155	CTE OS - Computer Science/Information Technology (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6159	CTE OS - Web Design and Development (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6192	CTE OS - Commercial Photography (6-12) *Continued*	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)	110520	Photography Level I
		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
		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)	132070	Welding Level I
		132071	Welding Level II
		132072	Welding Level III
		132480	Work-Based Learning - Certified Welding
		184010	Introduction to Agricultural Mechanics

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6236	CTE OS - Certified Welding (6-12) *Continued*	184040	Agricultural Welding
		184041	Advanced Agricultural Welding
		184043	Agricultural Fabrication
		184482	Work-Based Learning - Agriculture Welding
		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
6262	CTE OS - Cosmetology (6-12)	191010	Cosmetology I
		191011	Cosmetology II
		191012	Cosmetology III
		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
6280	CTE OS - Firefighting (6-12)	150010	Orientation to Police, Fire, and Emergency Services
		151520	Essentials of Firefighting
		151521	Firefighting II
		151980	Work-Based Learning - Firefighting
		800060	Grades 6-8 Health Professions and Public Safety
		900060	Grades 9-12 Health Professions and Public Safety
6282	CTE OS - Law Enforcement (6-12)	150010	Orientation to Police, Fire, and Emergency Services
		150540	Law Enforcement, Detention, and Corrections I
		150541	Law Enforcement, Detention, and Corrections II
		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 - Small Engine Repair/Power Sports (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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6310	CTE OS – Small Engine Repair/Power Sports (6-12) Continued	184481	Work-Based Learning - Agriculture Small Engine Repair/Power Sports
		201033	Transportation Systems Exploration
		201101	Small Engine Repair Level I
		201102	Small Engine Repair Level II
		201103	Small Engine Repair Level III
		201480	Work-Based Learning - Small Engine Repair/Power Sports
		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
7016	CTE - Career Counselor (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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
7016	CTE - Career Counselor (6-12) *Continued*	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
		192982	Work-Based Learning – Apparel/Textiles
		201480	Work-Based Learning - Small Engine Repair/Power Sports
		201481	Work-Based Learning - Automotive Collision Repair
		201482	Work-Based Learning - Automotive Maintenance and Light Repair
		201483	Work-Based Learning - Heavy Equipment/Diesel Technology
		210480	Work-Based Learning - Pre-Engineering Technology
		211480	Work-Based Learning - Drafting and Design
		221520	Strategies for Success

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
7016	CTE - Career Counselor (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9092	CTE - Marketing Technology Education (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) *Continued*	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)	100030	Fundamentals of Information Systems Technology
		100130	PLTW Computer Science Essentials
		100140	PLTW Computer Science A
		100150	PLTW Computer Science Principles
		100160	PLTW Cybersecurity
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9400	CTE - Computer Science (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9921	CTE - Agriculture Science and Technology (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9921	CTE - Agriculture Science and Technology (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9921	CTE - Agriculture Science and Technology (6-12) *Continued*	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
		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

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9971	CTE - Family and Consumer Sciences (6-12) *Continued*	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)	110010	Communication Systems I
		110020	Communication Systems II
		110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111535	Digital Imaging Technology
		111540	Graphic Communications Level I
		130020	Manufacturing Systems I

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9981	CTE - Technology Education (6-12) *Continued*	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
		211025	3D Solid Modeling
		211030	Introduction to Architectural Design
		211063	Introduction to Mechanical Drafting and Design

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9981	CTE - Technology Education (6-12) *Continued*	221520	Strategies for Success
		800030	Grades 6-8 Engineering and Technology Education
		900030	Grades 9-12 Engineering and Technology Education

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