

Technology Education Cluster Programs



A CTE cluster must offer 3 of the 5 program areas in a given year.

A CTE cluster must give the WRA 10 12th graders who have had at least two semesters of CTE courses.

TECHNOLOGY EDUCATION—CLUSTER PROGRAMS

PROGRAM AREAS	Arts, AV Tech & Communication	Architecture & Construction			Manufacturing	Power, Energy & Transportation	Science, Technology Engineering & Mathematics	
Introductory	Communication Systems I 110010	Introduction to Cabinetry 170070	Introduction to Drafting/Design Technology 211020	Construction Systems I 170020	Manufacturing Systems I 130020	Power, Energy & Transportation Systems 201010	Fundamentals of Engineering 210030	
Intermediate	Communication Systems II 110020	Advanced Cabinetry 170074	Introduction to Mech. Drafting/Design 211063	Construction Systems II 170021	Manufacturing Systems II 130021	Power, Energy & Transportation Systems II 201011	Introduction to Robotics 210092	Intro to Electronics Technologies 171060
	Digital Imaging Technology 111535		Introduction to Arch. Design 211030				Robotics & Automation 210093	Electronic Applications 171061
	Video Editing Technology 110552		3D Solid Modeling 211025				Robotics Applications 210091	

PROGRAM AREAS	Computer Science & Project: Lead The Way (PLTW)			
Introductory	PLTW Computer Science Essentials 100130		Computer Science I 100190	
Intermediate	PLTW Computer Science A 100140	PLTW Computer Science Principles 100150	Computer Science II 100191	Computer Science III 100192
	PLTW Cybersecurity 100160		Computer Science Advanced Studies 100470	

PROGRAM OF STUDY: TECH ED CLUSTER

Program Requirements

Approved Assessments:

Workplace Readiness Assessment

Endorsements:

Arts, A/V Tech & Communication

6180 Journalism (6-12)
6190 Graphic Design (6-12)
6192 Commercial Photography (6-12)
6197 Digital Media Production (6-12)
9981 Technology Education (6-12)

Architecture & Construction

5022 Automated Manufacturing (6-12)
6105 Cabinetmaking & Bench Carpentry (6-12)
6108 Construction Trades Technology (6-12)
6130 Drafting & Design (6-12)
9981 Technology Education (6-12)

Manufacturing

9981 Technology Education (6-12)

Power, Energy, & Transportation

9981 Technology Education (6-12)

Project Lead the Way (PLTW)

6157 Computer Science (6-12)

Computer Science

4024 Information/Communication Tech (6-12)
4026 Network Support Technician (6-12)
6151 Programming & Web Technologies (6-12)
6153 Network & Computer Support (6-12)
6154 Networking Support (6-12)
6155 Computer Science/Information Technology (6-12)
6156 Computer Support (6-12)
6158 Programming & Software Development (6-12)

Advanced Opportunities:

AutoDesk AutoCAD Certified User

AutoDesk Inventor Certified User

AutoDesk Revit Architecture Certified User Exam

SolidWorks Certified Associate

Career and Technical Student Organization: Technology Student Association (TSA)

Website: idahotsa.com

Mission: Leadership and opportunities in technology, innovation, design and engineering. Members apply STEM concepts through intracurricular programs.

CTSO Manager: [Andrew Armstrong](#)

State Advisor: [Justin Touchstone](#)

