

Computer Hardware & Software

Career Cluster	Information Technology		
Course Code	10251		
Prerequisite(s)	Introduction to Information Technology Careers (Recommended), Computer Applications (Recommended)		
Credit	.5-1		
Program of Study and Sequence	Computer Hardware & Software is recommended as a prerequisite for two pathways: Programming and Networking & Hardware.		
Student Organization	Skills USA, Future Business Leaders of America, CyberPatriots		
Coordinating Work-Based Learning	Job Shadowing, Guest Speakers, Tours, Personal Portfolios		
Industry Certifications	None		
Dual Credit or Dual Enrollment	TBD		
Teacher Certification	Information Technology Cluster Endorsement; Networking Systems & Information Support Pathway Endorsement; Computer Repair & Maintenance Endorsement; K-12 Educational Technology; K-12 Classroom Technology		
Resources			

Course Description: The Computer Hardware & Software course will prepare students to become more knowledgeable about the integral components of a computer system. Topics covered in the class include individual hardware components, upgrading and troubleshooting a computer, installing operating systems, and configuring basic network services.

Program of Study Application

Computer Hardware & Software is cluster course leading to the Programming and Networking & Hardware pathways.

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Course Standards

Webb Level	Sub-Indicator	Integrated Content
Level 3: Strategic Thinking	CIT 1.1 Understand how to design and assemble systems that use computer programs to interact with hardware.	
Level 3: Strategic Thinking	CIT 1.2 Install and configure essential computer hardware and software components .	
INDICATOR # CIT 2. Und	erstand the relationships among computer hardware, r	networks, and operating systems.
Makk Laval	Cub to disease	Internated Content
	Sub-Indicator	Integrated Content
	Sub-Indicator CIT 2.1 Identify new IT technologies relevant to computer hardware.	Integrated Content
Level 1: Recall	CIT 2.1 Identify new IT technologies relevant to	Integrated Content
Webb Level Level 1: Recall Level 2: Skill/Concept Level 2: Skill/Concept	CIT 2.1 Identify new IT technologies relevant to computer hardware. CIT 2.2 Determine compatibility of hardware and	Integrated Content
Level 1: Recall Level 2: Skill/Concept	CIT 2.1 Identify new IT technologies relevant to computer hardware. CIT 2.2 Determine compatibility of hardware and software. CIT 2.2 Understand the difference between an operating system, utility programs, and application	Integrated Content
Level 1: Recall Level 2: Skill/Concept Level 2: Skill/Concept	CIT 2.1 Identify new IT technologies relevant to computer hardware. CIT 2.2 Determine compatibility of hardware and software. CIT 2.2 Understand the difference between an operating system, utility programs, and application	Integrated Content

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Level 2: Skill/Concept	CIT 3.1 Understand the basics of Internet protocol (IP) addressing.			
Level 4: Extended Thinking	CIT 3.2 Troubleshoot basic hardware and software problems.			
INDICATOR # CIT 4. Explore careers in information technology.				
Webb Level	Sub-Indicator	Integrated Content		
Level 1: Recall	CIT 4.1 Identify skills, interests, and abilities related to information technology.			
Level 2: Skill/Concept	CIT 4.2 Identify personal interests using survey instruments with information technology occupations.			
Level 3: Strategic Thinking	CIT 4.3 Research labor market information for information technology.			
Level 2: Skill/Concept	CIT 4.4 Demonstrate necessary job skills needed for Information and Technology industries.			