

Standards Correlations

Cybersecurity Operations (6304)

Task	SOL Correlations	FBLA
Demonstrating Personal Qualities and Abilities		
Demonstrate creativity and innovation.	English: 6.1, 6.3, 6.4, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 8.2, 8.4, 8.6, 8.7, 8.11, 8.12, 8.17, 8.18, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, AII.9, COM.1, COM.3, COM.4, COM.5, COM.8, DM.7, DM.1*, DM.10, DM.2*, DM.3*, PS.3*, PS.4*, PS.7*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1	
Demonstrate critical thinking and problem solving.	English: 6.1, 6.3, 6.4, 6.5, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.5, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.10, 6.11, 7.2, 7.3, 7.8, 7.12, 7.13, 8.2, 8.4, 8.8, 8.9, 8.10, 8.11, A.8, A.9, G.1, G.13, G.14, AFDA.3, AFDA.5, AFDA.8, AII.9, AII.10,	

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	AII.11, COM.1, COM.3, COM.4, COM.5, COM.8, DM.4, DM.7, DM.1*, DM.2*, DM.3*, DM.9*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1	
Demonstrate initiative and self-direction.	English: 6.1, 6.4, 6.6, 6.7, 6.9, 7.1, 7.4, 7.6, 7.7, 7.9, 8.1, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate integrity.	English: 6.1, 7.1, 8.1, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate work ethic.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1	
Demonstrating Interpersonal Skills		
Demonstrate conflict-resolution skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.4, 8.6, 8.7, 8.9, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, VUS.1	
Demonstrate listening and speaking skills.	English: 6.1, 6.2, 6.4, 6.6, 7.1, 7.2, 7.4, 7.6, 8.1, 8.2, 8.4, 8.6, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate respect for diversity.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, USII.9, VUS.1, VUS.13, WG.1, WHI.1, WHII.1	

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Demonstrate customer service skills.	English: 6.1, 6.4, 6.7, 7.1, 7.4, 7.7, 8.1, 8.4, 8.7, 9.1, 9.5, 9.6, 10.1, 10.5, 10.6, 11.1, 11.5, 11.6, 12.1, 12.5, 12.6 History and Social Science: CE.1, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Collaborate with team members	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrating Professional Competencies		
Demonstrate big-picture thinking.	English: 6.1, 6.4, 7.1, 7.4, 8.1, 8.4, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.4, CE.12, GOVT.1, GOVT.15, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate career- and life-management skills.	English: 6.1, 6.7, 7.1, 7.7, 8.1, 8.7, 9.1, 9.6, 10.1, 10.6, 11.1, 11.6, 12.1, 12.6 History and Social Science: CE.1, CE.4, CE.12, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 8.4	
Demonstrate continuous learning and adaptability.	English: 6.1, 6.4, 6.7, 6.9, 7.1, 7.4, 7.7, 7.9, 8.1, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.3, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: BIO.1, CH.1, LS.1, PH.1, PH.4, PS.1	
Manage time and resources.	English: 6.1, 6.2, 6.4, 6.7, 6.9, 7.1, 7.2, 7.4, 7.7, 7.9, 8.1, 8.2, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	

Task	SOL Correlations	FBLA
	Mathematics: 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13, 8.4, 8.11, 8.12, 8.13, 8.14, 8.17, 8.18, A.4, A.5, A.8, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, COM.1, COM.3, COM.5, COM.8	
Demonstrate information-literacy skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.9, 9.2, 9.5, 9.6, 9.8, 10.2, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.8, 7.9, 8.11, 8.12, A.8, A.9, AFDA.3, AFDA.4, AFDA.6, AFDA.7, AFDA.8, DM.8, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1	
Demonstrate an understanding of information security.	English: 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.8, 8.9, 9.1, 9.2, 9.5, 9.6, 9.8, 10.1, 10.2, 10.5, 10.6, 10.8, 11.1, 11.2, 11.5, 11.6, 11.8, 12.1, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: COM.10	
Maintain working knowledge of current information-technology (IT) systems.	English: 6.1, 6.3, 6.4, 6.6, 6.9, 7.1, 7.3, 7.4, 7.6, 7.9, 8.1, 8.3, 8.4, 8.6, 8.9 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17 Science: BIO.1, CH.1, ES.1, PH.1	
Demonstrate proficiency with	History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	

Task	SOL Correlations	FBLA
technologies, tools, and machines common to a specific occupation.	Mathematics: 6.10, 6.11, 7.9, 8.4, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AII.4, AII.7, AII.9, COM.1, COM.7, COM.10, COM.11, COM.12, COM.16 Science: CH.1, ES.1, LS.1, PH.1, PS.1	
Apply mathematical skills to job-specific tasks.	English: 6.4, 6.6, 6.7, 7.4, 7.6, 7.7, 8.4, 8.6, 8.7, 9.5, 9.6, 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.5, 6.6, 6.12, 6.13, 6.14, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13, 8.4, 8.5, 8.6, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, A.1, A.3, A.4, A.5, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AFDA.8, AII.3, AII.7, AII.9, AII.10, COM.1, COM.7 Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1	
Demonstrate professionalism.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate reading and writing skills.	English: 6.1, 6.6, 6.7, 7.1, 7.6, 7.7, 8.1, 8.6, 8.7, 9.1, 9.5, 9.6, 9.7, 10.1, 10.5, 10.6, 10.7, 11.1, 11.5, 11.6, 11.7, 12.1, 12.5, 12.6, 12.7 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: 6.1, PH.1, PS.1	
Demonstrate workplace safety.	English: 6.4, 7.4, 8.4, 9.5, 10.5, 11.5, 12.5 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1	
Examining All Aspects of an Industry		

Task	SOL Correlations	FBLA
Examine aspects of planning within an industry/organization.	History and Social Science: GOVT.16	
Examine aspects of management within an industry/organization.		
Examine aspects of financial responsibility within an industry/organization.		
Examine technical and production skills required of workers within an industry/organization.		
Examine principles of technology that underlie an industry/organization.		
Examine labor issues related to an industry/organization.	History and Social Science: GOVT.16	
Examine community issues related to an industry/organization.	History and Social Science: GOVT.16	
Examine health, safety, and environmental issues related to an industry/organization.	History and Social Science: GOVT.16	

Task	SOL Correlations	FBLA
Addressing Elements of Student Life		
Identify the purposes and goals of the student organization.		
Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.		
Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.		
Identify Internet safety issues and procedures for complying with acceptable use standards.		
Exploring Work-Based Learning		
Identify the types of work-based learning (WBL) opportunities.		
Reflect on lessons learned during the WBL experience.		

Task	SOL Correlations	FBLA
Explore career opportunities related to the WBL experience.		
Participate in a WBL experience, when appropriate.		
Performing Legal and Ethical Functions		
Identify copyright and licensing laws that apply to computer use and network administration.	<p>English: 10.5, 11.5, 12.5</p> <p>Social Studies: VUS 14; Govt 9, 14, 15</p>	<p>Business Knowledge and Skills</p> <p>3D Animation</p> <p>American Enterprise Project</p> <p>Broadcast Journalism</p> <p>Business Communication</p> <p>Business Ethics</p> <p>Business Financial Plan</p> <p>Business Law</p> <p>Business Plan</p> <p>Business Procedures</p> <p>Community Service Project</p> <p>Coding and Programming</p> <p>Computer Applications</p> <p>Computer Game & Simulation</p> <p>Programming</p> <p>Digital Video Production</p> <p>E-business</p> <p>Electronic Career Portfolio</p> <p>Graphic Design</p> <p>Introduction to Business Communication</p> <p>Introduction to Business Presentation</p> <p>Introduction to Social Media Strategy</p>

Task	SOL Correlations	FBLA
		Journalism Local Chapter Annual Business Report Mobile Application Development Network Design Networking Infrastructures Partnership with Business Project Public Service Announcement Publication Design Sales Presentation Social Media Strategies Website Design Word Processing
Describe procedures to ensure the proper licensing of a client-server operating system (OS) and applications.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Business Ethics Business Law Coding and Programming Computer Game and Simulation Programming Cyber Security Management Information Systems Network Design Networking Infrastructures
Identify ethical behavior that is expected of users and administrators.	English: 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 Social Studies: VUS 14; Govt 9, 14, 15	Business Knowledge and Skills Business Ethics Business Law Coding and Programming Computer Game and Simulation Programming Cyber Security Healthcare Administration Management Information Systems

Task	SOL Correlations	FBLA
		Network Design Networking Infrastructures
Describe for documentation found in network policies.	English: 10.5, 10.6, 10.7, 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Business Ethics Business Law Coding and Programming Computer Game and Simulation Programming Cyber Security Healthcare Administration Management Information Systems Network Design Networking Infrastructures
Introducing Network Design Essentials		
Define aspects of networks.	English: 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Management Information Systems Network Design Networking Infrastructures
Define types of network architecture.	English: 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA
Differentiate between distributed and centralized computing.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Identify services delivered by a server.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Analyze specialized server hardware.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe standard network LAN topologies.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming

Task	SOL Correlations	FBLA
		Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe variations of standard topologies.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe the role of the network adapter.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe the functions of networking infrastructure (e.g., adapter, router, switch, bridge, wireless access point).	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design

Task	SOL Correlations	FBLA
		Networking Infrastructures
Exploring Networking Media		
Identify the types and uses of wired network media.	English: 10.1, 10.5, 11.1, 11.5, 12.1, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Identify the types and uses of wireless network media.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Define terms related to wired and wireless network media.	English: 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA
Describe the concept of broadband.	English: 10.5, 11.5, 12.5 Social Studies: VUS 14; Govt 9, 14, 15	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe a modem.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Understanding Networking Standards and Models		
Describe each layer of the Open Systems Interconnection (OSI) model.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe devices in a network environment and	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming

Task	SOL Correlations	FBLA
their place in the OSI model.		Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Define the basic components of a network packet.	English: 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe networking protocols.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe address resolution and/or assignment and wireless authentication.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application

Task	SOL Correlations	FBLA
		Management Information Systems Network Design Networking Infrastructures
Conducting TCP/IP Activities		
Configure Transmission Control Protocol/Internet Protocol (TCP/IP).		Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Test a TCP/IP configuration, using OS-specific commands.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Identify the network and host identifications' TCP/IP addresses.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design

Task	SOL Correlations	FBLA
		Networking Infrastructures
Compare IPv4 and IPv6.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe a loopback address.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Explain the purpose of the Simple Network Management Protocol (SNMP).	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Using Desktop and Mobile Systems Concepts		

Task	SOL Correlations	FBLA
Navigate an end user's digital OS network and/or environment.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Compare digital operating systems.	English: 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Navigate the digital OS environment.	English: 10.2, 10.5, 11.2, 11.5, 12.2, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Demonstrate the procedures followed when installing digital OS.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming

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		Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Manage a file system structure.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Applications Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures Word Processing
Compare server OS.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Explain file system formats.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application

Task	SOL Correlations	FBLA
		Management Information Systems Network Design Networking Infrastructures
Explain the authentication of users in a network environment.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Install applications.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Ensuring Network Security		
Monitor network traffic.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design

Task	SOL Correlations	FBLA
		Networking Infrastructures
Analyze network systems for cybersecurity vulnerabilities.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Explain the core cybersecurity principles used in network management.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Analyze cybersecurity threats and risks to networks and local policies.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Analyze cybersecurity internal and external	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming

Task	SOL Correlations	FBLA
threats to computer networks.		Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Review strategies to mitigate risk.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Install a virtualized OS.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Describe the different types of network adapter modes for virtual OS.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application

Task	SOL Correlations	FBLA
		Management Information Systems Network Design Networking Infrastructures
Compare security scanning tools such as intrusion detection system (IDS) and intrusion prevention system (IPS) and security appliances.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Identify threats and vulnerabilities from users.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Identify security measures taken against physical threats to network systems.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA
Identifying other risks and threats to systems.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Explore digital forensics.	English: 10.5, 10.8, 11.5, 11.8, 12.5, 12.8	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Providing Basic User Awareness Training		
Identify training needs.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA
Provide an orientation to a network system (system onboarding).	English: 10.5, 10.6, 10.7, 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Coding and Programming Computer Game and Simulation Programming Cyber Security Database Design and Application Management Information Systems Network Design Networking Infrastructures
Preparing for Industry Certification		
Describe the process and requirements for obtaining industry certifications.	English: 10.5, 10.6, 11.5, 11.6, 12.5, 12.6	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures
Identify testing skills and strategies for a certification examination.	English: 10.5, 10.8, 11.5, 11.8, 12.5, 12.8	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures
Demonstrate the ability to complete selected practice	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming

Task	SOL Correlations	FBLA
examinations (e.g., practice questions similar to those on certification exams).		Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures
Complete an industry certification examination representative of skills learned in this course.	English: 10.5, 10.6, 10.7, 11.5, 11.6, 11.7, 12.5,12.6, 12.7	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures
Developing Employability Skills		
Research careers in networking and systems security.	English: 10.5, 10.8, 11.5, 11.8, 12.5, 12.8	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures
Compose a résumé for electronic processing.	English: 10.6, 10.7, 11.6, 11.7, 12.6, 12.7	Business Knowledge and Skills Business Communications Computer Applications Electronic Career Portfolio

Task	SOL Correlations	FBLA
		Future Business Leader Introduction to Business Communications Job Interview Scholarships Word Processing
Assemble a professional portfolio that contains representative samples of student work.	English: 10.6, 10.7, 11.6, 11.7, 12.6, 12.7	Business Knowledge and Skills Business Communications Computer Applications Electronic Career Portfolio Future Business Leader Introduction to Business Communications Job Interview Scholarships Word Processing
Create a cover letter to accompany a résumé.	English: 10.6, 10.7, 11.6, 11.7, 12.6, 12.7	Business Knowledge and Skills Business Communications Computer Applications Electronic Career Portfolio Future Business Leader Introduction to Business Communications Job Interview Scholarships Word Processing
Complete manual and electronic application forms.	English: 10.5, 10.6, 10.7, 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Business Communications Computer Applications Electronic Career Portfolio Future Business Leader

Task	SOL Correlations	FBLA
		Introduction to Business Communications Job Interview Scholarships Word Processing
Participate in an internship program.	English: 10.5, 10.8, 11.5, 11.8, 12.5, 12.8	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures
Research a company in preparation for a job interview.	English: 10.8, 11.8, 12.8	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures
Participate in a mock interview.	English: 10.1, 10.5, 11.1, 11.5, 12.1, 12.5	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design

Task	SOL Correlations	FBLA
Compose an interview follow-up letter.	English: 10.1, 11.1, 12.1	Networking Infrastructures Business Knowledge and Skills Business Communications Computer Applications Electronic Career Portfolio Future Business Leader Introduction to Business Communications Job Interview Scholarships Word Processing
Identify the steps to follow when resigning from a position.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Business Communications Computer Applications Electronic Career Portfolio Future Business Leader Introduction to Business Communications Job Interview Scholarships Word Processing
Identify potential employment barriers for nontraditional groups and ways to overcome these barriers.	English: 10.5, 11.5, 12.5	Business Knowledge and Skills Coding and Programming Cyber Security Database Design and Application Electronic Career Portfolio Job Interview Management Information Systems Network Design Networking Infrastructures

