

# Standards Correlations

## Computer Network Software Operations (6651)

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
<b>Demonstrating Personal Qualities and Abilities</b>		
Demonstrate creativity and innovation.	<p>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</p> <p>History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p> <p>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*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>	
Demonstrate critical thinking and problem solving.	<p>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</p>	

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
	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, 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	
<b>Demonstrating Interpersonal Skills</b>		

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
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	
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	
<b>Demonstrating Professional Competencies</b>		
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	

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	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 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	

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
Demonstrate information-literacy skills.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>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*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1</p>	
Demonstrate an understanding of information security.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: COM.10</p>	
Maintain working knowledge of current information-technology (IT) systems.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17</p>	

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
	Science: BIO.1, CH.1, ES.1, PH.1	
Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.	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, 7.9, 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	

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
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	
<b>Examining All Aspects of an Industry</b>		
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	

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
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	
<b>Addressing Elements of Student Life</b>		
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.		
<b>Exploring Work-based Learning</b>		
Identify the types of work-based learning (WBL) opportunities.		
Reflect on lessons learned during the WBL experience.		
Explore career opportunities related to the WBL experience.		



<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
Participate in a WBL experience, when appropriate.		
<b>Performing Legal and Ethical Functions</b>		
Identify copyright and licensing laws that apply to computer use and network administration.	English: 11.5, 12.5  Social Studies: VUS 14; Govt 9, 14, 15	Business Knowledge and Skills Computer Applications Database Design and Application Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Describe procedures to ensure the proper licensing of a client-server operating system (OS) and applications.	English: 11.5, 12.5	Business Knowledge and Skills Computer Applications Database Design and Application Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Identify ethical behavior.	English: 11.5, 12.5  Social Studies: VUS 14; Govt 9, 14, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security
Identify testing skills and strategies for a certification examination.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Electronic Career Portfolio Introduction to Information Technology

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Job Interview Management Information Systems Network Design Networking Infrastructures
Demonstrate the ability to complete selected practice examinations (i.e., practice questions similar to those on certification exams).	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Electronic Career Portfolio Introduction to Information Technology Job Interview Management Information Systems Network Design Networking Infrastructures
Complete an industry-certification examination representative of skills learned in this course.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Electronic Career Portfolio Introduction to Information Technology Job Interview Management Information Systems Network Design Networking Infrastructures
<b>Using Desktop Systems Concepts</b>		
Compare essential network OS components.	English: 11.5, 12.5	Business Knowledge and Skills Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Navigate the digital OS environment.	English: 11.5, 12.5	Business Knowledge and Skills Computer Applications Database Design and Application

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
		Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Demonstrate the procedures followed when installing digital OS.	English: 11.5, 12.5	Business Knowledge and Skills Computer Applications Database Design and Application Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
<b>Using Server Systems Concepts</b>		
Explain server OS.	English: 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Computer Applications Database Design and Application Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Explain the uses of current and emerging server and storage hardware.	English: 11.5, 12.5	Business Knowledge and Skills Computer Applications Cyber Security Database Design and Application

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
		Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Identify partitions and volumes.	English: 11.1, 11.5, 12.1, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Configuring Network Servers</b>		
Install applications.	English: 11.2, 11.5, 12.2, 12.5	Business Knowledge and Skills Computer Applications Cyber Security Database Design and Application Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Implement directory services on a network.	English: 11.5, 12.5	Business Knowledge and Skills Computer Applications Cyber Security Database Design and Application Introduction to Information Technology Management Information Systems

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Manage directory and file replication.	English: 11.5, 12.5	Business Knowledge and Skills Computer Applications Cyber Security Database Design and Application Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Spreadsheet Applications Word Processing
Describe the structure and architecture of the Domain Name System (DNS).	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Install the DNS.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain how a Dynamic Host Configuration Protocol (DHCP)	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
client obtains an IP address from a DHCP server.		Management Information Systems Network Design Networking Infrastructures
Install a DHCP service.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Manage fault-tolerant volumes, using RAID.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain the difference between roaming and local profiles.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Implement directory replication.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Troubleshoot directory services replication.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Implement Internet Printing Protocol (IPP) services.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Configuring Network Security</b>		
Explain types of server malware protection.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Implement web-based and server security features.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Website Design
Describe the Secure Sockets Layer (SSL) and Transport Layer Security (TLS).	English: 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Network Design Networking Infrastructures
Explore a security certificate.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe firewalls.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Install a firewall.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Implement user security policies.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Performing Network Administrative Functions</b>		
Define different types of accounts.	English: 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills



<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Configure user and group accounts.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Create user profiles.	English: 11.1, 11.5, 12.1, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Implement global, domain, and local account policies.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe considerations and procedures for deploying sharing applications on the network.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
Manage shared disk resources.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify the procedures for the administration of a shared printer.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain email and collaborative scheduling systems.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Implement global, domain, and local system policies.	English: 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe the process of logging on to a domain account and changing a password.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Implement disk quotas.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain concepts related to logon authentication.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify levels of encryption.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Maintaining Servers</b>		
Describe remote administration.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify the resources available to solve common support issues.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Computer Problem Solving Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Word Processing
Describe service packs and patches.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Review event logs.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Review security and all system logs.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe the utilities that monitor a server's performance.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe the backup and restore process for directory services.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Conducting Transmission Control Protocol/Internet Protocol (TCP/IP) Activities</b>		
Describe Transmission Control Protocol/Internet Protocol (TCP/IP).	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Compare static and dynamic IP routing.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Management Information Systems Network Design Networking Infrastructures
Configure TCP/IP.		Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Test a TCP/IP configuration, using OS-specific commands.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify the network and host IDs' TCP/IP addresses.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Compare IPv4 and IPv6.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
Explain the function of a subnet mask and Classless Inter-Domain Routing (CIDR) format.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe a loopback address.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe the services provided by Network Basic Input/Output System (NetBIOS) over TCP/IP.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain the process of host name resolution (i.e., mapping a host name to an IP address on local and remote networks).	English: 11.5, 11.6, 12.5, 12.6	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Modify the host file to resolve host names.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Networking Infrastructures
Configure File Transfer Protocol (FTP).	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain the purpose of the Simple Network Management Protocol (SNMP).	English: 11.5, 11.6, 12.5, 12.6	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe the implementation of virtual Local Area Network (VLAN).	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Implementing and Managing Web Servers</b>		
Describe the key protocols of web servers.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Install web-based services (e.g., Apache, Windows IIS).	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security



<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Configure web-based services	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain the major architectural components and security vulnerabilities of web-based services.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Establish web-based services.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Add virtual servers and directories.		Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
Install a server-side programming language that supports dynamic content.	English: 11.5, 12.5	Business Knowledge and Skills Coding and Programming Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Access a web page with dynamic content.	English: 11.2, 11.5, 12.2, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Ensuring Network Security</b>		
Monitor network traffic.	English: 11.2, 11.5, 12.2, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Analyze network systems for cybersecurity vulnerabilities.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Explain the core security principles used in network management.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Management Information Systems Network Design Networking Infrastructures
Analyze threats and risks to networks.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Analyze internal and external cybersecurity threats to computer networks.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify sustainable computer networking practices.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Install a virtualized OS.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Providing User Training and Support</b>		

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
Identify user and network administrator training needs.	English: 11.5, 12.5	Business Knowledge and Skills Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Provide network onboarding for new employees.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Develop a training plan.	English: 11.1, 11.5, 12.1, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Provide training to users.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Create a user manual.	English: 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Business Procedures

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Computer Applications Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures Word Processing
Provide ongoing user support.	English: 11.5, 12.5	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Track hardware and software usage problems.	English: 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Business Procedures Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
<b>Developing Employability Skills</b>		
Update résumé.	English: 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Computer Applications Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview Management Information Systems

<b>Task</b>	<b>SOL Correlations</b>	<b>FBLA Competitive Events and Activities Areas</b>
		Network Design Networking Infrastructures Word Processing
Describe the process and requirements for obtaining industry certifications related to the Computer Network Software Operations, Advanced course.	English: 11.5, 11.8, 12.5, 12.8	Business Knowledge and Skills Business Procedures Electronic Career Portfolio Introduction to Information Technology Job Interview Management Information Systems Network Design Networking Infrastructures
Update a professional portfolio that contains representative samples of student-work.	English: 11.5, 11.6, 11.7, 12.5, 12.6, 12.7	Business Knowledge and Skills Computer Applications Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview Management Information Systems Network Design Networking Infrastructures Word Processing
Identify potential employment barriers for nontraditional groups and ways to overcome these barriers.	English: 11.5, 12.5	Business Knowledge and Skills Computer Applications Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA Competitive Events and Activities Areas
		Word Processing