Standards Correlations

Cybersecurity Fundamentals (6302)

Task	SOL Correlations	FBLA Correlations
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	

Task	SOL Correlations	FBLA Correlations
	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	
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	

Task	SOL Correlations	FBLA Correlations
	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	
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	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	

Task	SOL Correlations	FBLA Correlations
skills.	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	
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	

Task	SOL Correlations	FBLA Correlations
	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 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	

Task	SOL Correlations	FBLA Correlations
	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	

Task	SOL Correlations	FBLA Correlations
	Science: CH.1	
Examining All Aspects of an Industry		
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	

Task	SOL Correlations	FBLA Correlations
Examine health, safety, and environmental issues related to an industry/organization.	History and Social Science: GOVT.16	
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.		

Task	SOL Correlations	FBLA Correlations
Reflect on lessons learned during the WBL experience.		
Explore career opportunities related to the WBL experience.		
Participate in a WBL experience, when appropriate.		
Exploring Cybersecurity Fundamentals		
Describe cybersecurity.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17, WHII 14, VUS 14, Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Cyber Security Healthcare Administration Introduction to Information Technology Network Design Networking Infrastructure
Describe the critical factors of information assurance.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security Healthcare Administration Introduction to Information Technology Network Design Networking Infrastructure
Define vulnerability and risk.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security

Task	SOL Correlations	FBLA Correlations
		E-business Healthcare Administration Introduction to Information Technology Management Decision Making Management Information Systems Network Design Networking Infrastructure Website Design
Explain why organizations need to manage risk.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security Healthcare Administration Introduction to Information Technology Management Decision Making Management Information Systems Network Design Networking Infrastructure
Identify the concepts of cybersecurity risk management.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security E-business Healthcare Administration Introduction to Information Technology Management Decision Making Management Information Systems Network Design Networking Infrastructure Website Design

Task	SOL Correlations	FBLA Correlations
Describe cybersecurity threats to an organization.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security E-business Healthcare Administration Introduction to Information Technology Management Decision Making Management Information Systems Network Design Networking Infrastructure Website Design
Describe national and industry standards and regulations that relate to cybersecurity.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security E-business Healthcare Administration Introduction to Information Technology Management Decision Making Management Information Systems Network Design Networking Infrastructure Website Design
Describe the cyberattack surface of various organizations.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security E-business Healthcare Administration Introduction to Information Technology

Task	SOL Correlations	FBLA Correlations
		Management Decision Making Management Information Systems Network Design Networking Infrastructure Website Design
Analyze risks affecting critical infrastructure.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security E-business Healthcare Administration Hospitality and Event Management Introduction to Information Technology Management Decision Making Management Information Systems Network Design Networking Infrastructure Sports and Entertainment Management Website Design
Examining Computer Networks as a Foundational Element of Cybersecurity		
Describe computer components.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Computer Problem Solving Introduction to Information Technology
Describe a network.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Computer Problem Solving Cyber Security Introduction to Information Technology Network Design Networking Infrastructure

Task	SOL Correlations	FBLA Correlations
Describe a wired network.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Computer Problem Solving Cyber Security Introduction to Information Technology Network Design Networking Infrastructure
Describe a wireless network.	English: *9.3,* 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Computer Problem Solving Cyber Security Introduction to Information Technology Network Design Networking Infrastructure
Compare wired and wireless networks.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Computer Problem Solving Cyber Security Introduction to Information Technology Network Design Networking Infrastructure
Compare networking conceptual models.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Computer Problem Solving Cyber Security Introduction to Information Technology Network Design Networking Infrastructure
Discuss services and potential vulnerabilities.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Computer Applications Computer Problem Solving Cyber Security Database Design and Application Introduction to Information Technology

Task	SOL Correlations	FBLA Correlations
		Network Design Networking Infrastructure Spreadsheet Applications Word Processing
Differentiate between network types.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Computer Problem Solving Cyber Security Introduction to Information Technology Network Design Networking Infrastructure
Describe the concept of the Internet as a network of connected systems.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Computer Problem Solving Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure
Identify networking protocols.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Computer Problem Solving Cyber Security E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design
Understanding Cyber Threats and Vulnerabilities		
Differentiate between a cyber threat and a vulnerability.		Business Knowledge and Skills Coding and Programming Computer Game & Simulation

Task	SOL Correlations	FBLA Correlations
		Computer Problem Solving Cyber Security Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design
Describe types of cyber threats.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Coding and Programming Computer Game & Simulation Computer Problem Solving Cyber Security Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design
Analyze types of current cyber threats.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Coding and Programming Computer Game & Simulation Computer Problem Solving Cyber Security Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design

Task	SOL Correlations	FBLA Correlations
		Networking Infrastructure Website Design
Describe the concept of malware and the techniques to guard against it.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Computer Problem Solving Coding and Programming Computer Game & Simulation Programming Cyber Security Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design
Identify the perpetrators of different types of malicious hacking.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Computer Problem Solving Coding and Programming Computer Game & Simulation Programming Cyber Security Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design
Describe the characteristics of vulnerabilities.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Computer Problem Solving Coding and Programming Computer Game & Simulation Programming Cyber Security

Task	SOL Correlations	FBLA Correlations
		Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design
Identify the prevention of and protections against cyber threats.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Computer Problem Solving Coding and Programming Computer Game & Simulation Programming Cyber Security Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design
Identify the cyber risks associated with bring your own device (BYOD) opportunities on computer networks.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Computer Problem Solving Coding and Programming Computer Game & Simulation Programming Cyber Security Database Design and Application E-business Introduction to Information Technology Management Information Systems Network Design Networking Infrastructure Website Design

Task	SOL Correlations	FBLA Correlations
Exploring Ethics as it Relates to Cybersecurity		
Differentiate between ethics and laws.		Business Knowledge and Skills Business Ethics Business Law
Distinguish among types of ethical concerns.		Business Knowledge and Skills Business Ethics Business Law Cyber Security
Define cyberbullying.		Business Knowledge and Skills Business Communication Business Ethics Business Law Business Procedures Cyber Security Introduction to Business Communication Introduction to Social Media Strategies Social Media Strategies
Identify actions that constitute cyberbullying.	English: 9.5, 10.5, 11.5, 12.5 Government: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Communication Business Ethics Business Law Business Procedures Cyber Security Introduction to Business Communication Introduction to Social Media Strategies Social Media Strategies
Identify possible warning signs of someone being cyberbullied.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security

Task	SOL Correlations	FBLA Correlations
Demonstrate net etiquette (i.e., netiquette) as it relates to cybersecurity.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Communication Business Ethics Business Law Business Procedures Cyber Security Introduction to Business Communication Introduction to Social Media Strategies Social Media Strategies
Identify laws applicable to cybersecurity.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Business Ethics Business Law Cyber Security
Exploring Data Privacy		
Explain the concept of "personally identifiable information."		Business Knowledge and Skills Cyber Security Database Design and Application E-Business Healthcare Administration Introduction to Information Technology Introduction to Social Media Strategies Social Media Strategies Spreadsheet Application Website Design
Explain why personal data is valuable to both an individual and to organizations (e.g., governments, businesses)		Business Knowledge and Skills Cyber Security Database Design and Application E-Business Healthcare Administration

Task	SOL Correlations	FBLA Correlations
that collect it, analyze it, and make decisions based on it.		Introduction to Information Technology Introduction to Social Media Strategies Social Media Strategies Spreadsheet Application Website Design
Explain the techniques used to collect personal data through social media, web tracking, and mobile devices.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Cyber Security Database Design and Application E-Business Healthcare Administration Introduction to Information Technology Introduction to Social Media Strategies Mobile Application Development Social Media Strategies Spreadsheet Application Website Design
Identify ways to control and protect personal data.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Cyber Security Database Design and Application E-Business Healthcare Administration Introduction to Information Technology Introduction to Social Media Strategies Mobile Application Development Social Media Strategies Spreadsheet Application Website Design
Analyze the social and legal significance of the ongoing collection of	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Knowledge and Skills Business Ethics Business Law Cyber Security

Task	SOL Correlations	FBLA Correlations
personal digital information.	Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Database Design and Application E-Business Healthcare Administration Introduction to Information Technology Introduction to Social Media Strategies Mobile Application Development Social Media Strategies Spreadsheet Application Website Design
Examining Data Security as it Relates to Cybersecurity		
Distinguish between data, information, and knowledge.	English: 9.5, 9.8, 10.5, 10.8, 11.5, 11.8, 12.5, 12.8	Business Knowledge and Skills Business Communications Business Ethics Business Law Cyber Security Introduction to Business Communication
Identify the most common ways data is collected.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Skills and Knowledge Business Communication Cyber Security Database Design and Application E-business Introduction to Business Communication Mobile Application Website Design
Identify the most common ways data can be stored.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Skills and Knowledge Business Communication Cyber Security Database Design and Application E-business Introduction to Business Communication

Task	SOL Correlations	FBLA Correlations
		Introduction to Information Technology Management Information Systems Mobile Application Network Design Networking Infrastructures Spreadsheet Applications Website Design
Explain the difference between data at rest, data in transit, and data being processed.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Business Communication Cyber Security Database Design and Application E-business Introduction to Business Communication Introduction to Information Technology Management Information Systems Mobile Application Network Design Networking Infrastructures Spreadsheet Application Website Design
Identify the most common ways data is used.	English; 9.3, 10.3, 11.3, 12.3	Business Skills and Knowledge Business Communication Cyber Security Database Design and Application E-business Healthcare Administration Introduction to Business Communication Introduction to Information Technology Management Information Systems Mobile Application Network Design

Task	SOL Correlations	FBLA Correlations
		Networking Infrastructures Spreadsheet Application Website Design
Discuss how data can be compromised, corrupted, or lost.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Business Communication Cyber Security Database Design and Application E-business Healthcare Administration Introduction to Business Communication Introduction to Information Technology Management Information Systems Mobile Application Network Design Networking Infrastructures Spreadsheet Application Website Design
Explain how businesses and individuals can protect themselves against threats to their data.	English; 9.1, 10.1, 11.1, 12.1 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Skills and Knowledge Cyber Security Database Design and Application E-business Healthcare Administration Introduction to Information Technology Management Information Systems Mobile Application Network Design Networking Infrastructures Spreadsheet Application Website Design
Securing Operating Systems		

Task	SOL Correlations	FBLA Correlations
Define the function of a computer operating system.	English: 9.5, 10.5, 11.5, 12.5 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify the components of an operating system.	English: 9.3, 10.3, 11.3, 12.3	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
List types of operating systems.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify examples of widely used desktop and server operating systems.	English; 9.6, 10.6, 11.6, 12.6	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Evaluate the potential vulnerabilities, threats, and common exploits to an operating system.	English: 9.6, 10.6, 11.6, 12.6	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA Correlations
Identify best practices for protecting operating systems.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Evaluate critical operating system security parameters.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe security and auditing logs.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Describe the role of a system backup.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Define virtualization technology.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA Correlations
Identify advantages and disadvantages of using virtual machines.	English: 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Skills and Knowledge Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Programming as a Component of Cybersecurity		
Identify representation of data at lowest levels.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Cyber Security Database Design and Application Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Define programming in the context of cybersecurity.	English: 9.5, 10.5, 11.5, 12.5 Mathematics: COM.15	Business Skills and Knowledge Coding and Programming Computer Game and Simulation Programming Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Differentiate between computer programming languages.	English; 9.3, 9.5, 10.3, 10.5, 11.3, 11.5, 12.3, 12.5	Business Skills and Knowledge Coding and Programming Computer Game and Simulation Programming Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures

Task	SOL Correlations	FBLA Correlations
Describe Python	English: 9.5, 10.5, 11.5, 12.5	
Demonstrate Linux.	English: 9.5, 10.5, 11.5, 12.5 Mathematics: COM.1, COM.2, COM.3, COM.6, COM.8, COM.9, COM.10, COM.11, COM.14	Business Skills and Knowledge Coding and Programming Computer Game and Simulation Programming Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Evaluate common programming flaws that lead to vulnerabilities.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Coding and Programming Computer Game and Simulation Programming Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Identify best practices in secure coding and design.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Coding and Programming Computer Game and Simulation Programming Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Exploring Cybersecurity Implications for Current and Emerging Technologies		
Identify ubiquitous computing.	English: 9.5, 10.5, 11.5, 12.5 Mathematics: COM.10	Business Skills and Knowledge Coding and Programming Computer Game and Simulation Programming Cyber Security

Task	SOL Correlations	FBLA Correlations
		Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Description security and privacy implications of ubiquitous computing.	English: 9.5, 10.5, 11.5, 12.5	Business Skills and Knowledge Coding and Programming Computer Game and Simulation Programming Cyber Security Introduction to Information Technology Management Information Systems Network Design Networking Infrastructures
Exploring Cybersecurity Careers		
Research career opportunities for cybersecurity professionals.	English: 9.1, 10.1, 11.1, 12.1	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview
Examine the Career Clusters affected by current and emerging technology.	English: 9.8, 10.8, 11.8, 12.8 Social Studies: WG 17; WHII 14: VUS 14: Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview
Identify the educational pathways for emerging cybersecurity professionals.	English: 9.5, 9.8, 10.5, 10.8, 11.5, 11.8, 12.5, 12.8 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview

Task	SOL Correlations	FBLA Correlations
Identify career paths and job titles within the cybersecurity and/or cyber forensics industry and Career Clusters.	English: 9.2, 9.5, 9.8, 10.2, 10.5, 10.8, 11.2, 11.5, 11.8, 12.2, 12.5, 12.8 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview
Research the cyber threats and security measures related to career pathways.	English: 9.5, 9.8, 10.5, 10.8, 11.5, 11.8, 12.5, 12.8 Social Studies: WG 17; WHII 14; VUS 14; Govt 7, 8, 9, 12, 15	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview
Preparing for Industry Certification		
Identify testing skills and strategies for a certification examination.	English: 9.8, 10.8, 11.8, 12.8	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview
Describe the process and requirements for obtaining industry certifications related to the Cybersecurity Fundamentals course.	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview
Demonstrate the ability to complete selected practice examinations.	English: 9.5, 9.6, 10.5, 10.6, 11.5, 11.6, 12.5, 12.6	Business Knowledge and Skills Cyber Security Electronic Career Portfolio Introduction to Information Technology Job Interview
Successfully complete an industry certification	English: 9.5, 10.5, 11.5, 12.5	Business Knowledge and Skills Cyber Security

Task	SOL Correlations	FBLA Correlations
examination representative of skills learned in this course.		Electronic Career Portfolio Introduction to Information Technology Job Interview