Objectives: *Unit 2 Lesson 1 Cyber Ethics*

	Lesson Objectives	Cyber.org Standards
Cyber Ethics	Understand and identify unsafe content such as malicious links or emails Understand and describe what a cyber-attack is and reference recent cyber-attacks Understand what ethical hacking is Understand what malicious hacking is Understand and describe how integrity and reputation can be affected by actions taken online	6-8.DC.ETH Distinguish between ethical and malicious hacking 9-12.DC.ETH Discuss the role that cyber ethics plays in current society

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Objectives: *Unit 2 Lesson 2 Networking*

	Lesson Objectives	Cyber.org Standards
Networking	Understand the difference between local and online Describe and be able to differentiate between network topologies (LAN and WAN) Describe the components that make up a Local Area Network (NIC, Switch, Router etc.)	6-8.CS.COMM.1 Compare and contrast network topologies 6-8.CS.COMP Identify the role of connected network components

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Objectives: *Unit 2 Lesson 3 Security*

	Lesson Objectives	Cyber.org Standards
Security	Understand and describe authentication and authorization and the difference between the two Understand and describe the various methods of authentication such as passwords, biometrics, multi-factor authentication Understand the role of security software (antivirus, antimalware, firewalls, web filter etc.) Understand and describe the characteristics of a good/strong password	6-8.SEC.AUTH Explain how authentication and authorization methods can protect authorized users 6-8.SEC.COMP Describe Defense in Depth strategies to protect simple networks 6-8.SEC.NET Explain how malicious actions threaten network security 9-12.SEC.NET Analyze the different types of attacks that affect network security

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Objectives: *Unit 2 Lesson 4 Threats and Vulnerabilities*

	Lesson Objectives	Cyber.org Standards
Threats and Vulnerabilities	Understand and describe what malware is and how it could be used and how to respond Understand and describe email threats and how to respond Understand and describe how threats and attacks may be used against individuals and organizations Understand the role of security software (antivirus, antimalware, firewalls, web filter etc.)	6-8.SEC.INFO Analyze threats and vulnerabilities to information security for individuals and organizations 9-12.SEC.INFO Distinguish the different types of attacks that affect information security for individuals and organizations

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