Category	Topics	Example Activities
First Principles of Cybersecurity	**1. Cybersecurity First Principles** • Domain Separation • Abstraction • Minimization • Layering • Process Isolation • Resource Encapsulation • Modularity • Least Privilege • Information Hiding • Simplicity	• Posters • Playing cards • Slides • Activities • Quiz with Kahoot! • Teacher presentations
Cybersecurity Ethics	**2. Ethics of Cybersecurity** • What is ethics? • Why is an ethical mindset important to a cybersecurity professional? • Codes of Ethics (samples) • Ethical Dilemmas in Cybersecurity	• Videos • Ethics-Post • Case studies • Guest speaker: Ethical hacker
Cybercrimes and Cyber Laws	**3. Cyber Bullying and Other High Tech Crimes Involving Michigan Kids** • Cyber Harassment and Text Messaging • Cyber Bullying • Child Pornography • Identity Theft • Computer Hacking	• Guest speaker: OK2SAY • Videos • Case studies • Teacher presentations
Online Safety	**4. Correct and Safe Online Behavior** By acting responsibly and respectfully, the kids will enjoy their time online and get the best of the Internet while mostly avoiding things such as cyberbullying and inappropriate content. Here are some basics that will be covered: • Communicate appropriately • Respect others • Keep private things private • Don't lie, steal, or cheat • Follow your family's rules • Be an "upstander" • Think before you post, text, • Report misbehavior or share	• Guest speaker: OK2SAY • Videos • Case studies • Teacher presentations
Cybersecurity	**5. Overview of Cybersecurity** • What is security? • Why is it important? • What is the national response? • What are the basic components of security? • What are the attack models and countermeasures?	• Attack and defense demonstrations • Case studies • Hands-on experiments • Invited talks • Teacher presentations
	6. Principles of Cryptography This module will introduce cryptography and its applications. The following questions will be answered: • What is cryptography? • What are the key technologies? • What problems can it solve?	• Attack and defense demonstrations • Case studies • Hands-on experiments • Teacher presentations
	7. Online Social Networks: Threats and Solutions • What are the threats? • What are the privacy issues? • How to defend? • How to perform forensic investigation?	• Invited talks • Videos • Case studies