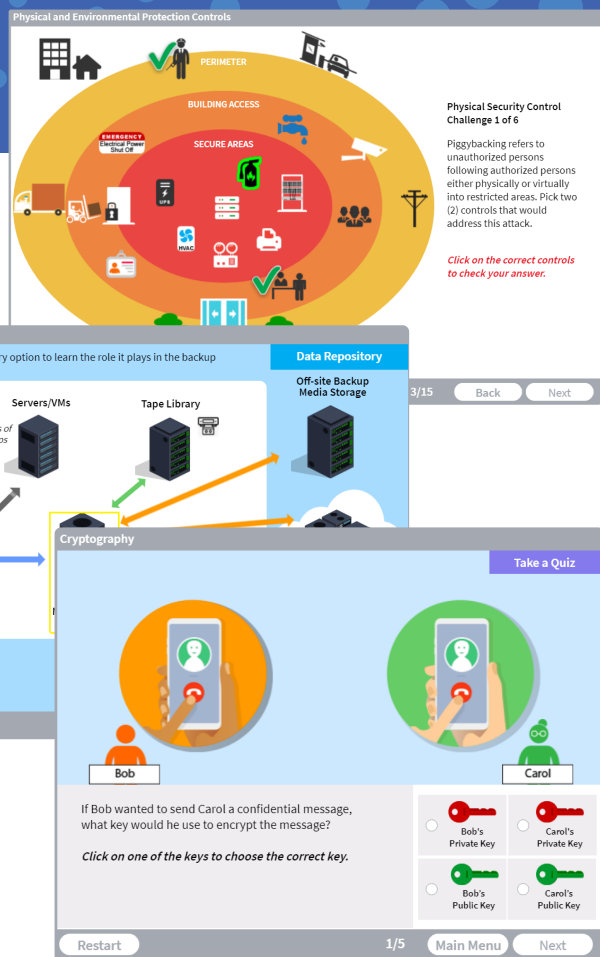


Interactive Cybersecurity Lessons now on NCyTE.net

The NCyTE Center is hosting a new resource for educators to incorporate into their classes: interactive lessons addressing a variety of cybersecurity topics.

More than 30 quick lessons are designed to help students grasp difficult concepts by interacting with the content, navigating through pages, selecting options, completing activities, and answering questions. Self-assessments are often provided, either at the end of the lesson or on a separate web page.

The interactive lessons have been developed through funding from National Science Foundation grants to Brookdale Community College in Lincroft, New Jersey, and Whatcom Community College.



Three examples of over 30 Interactive Lessons now available at www.NCyTE.net. **Top:** Physical and Environmental Protection Controls; **Middle:** Data Backups; **Bottom:** Cryptography

Cybersecurity Concepts

- The McCumber Cube & CIA Triad
- Self-Assessment: McCumber Cube
- Cybersecurity Principles
- Access Control
- Risk Management
- Risk Analysis
- Physical & Environmental Protection Controls
- Data Backups

Cryptography

- Cryptography
- Public Key Infrastructure & Digital Certificates
- Diffie-Hellman Key Exchange

Cyber Attacks & Vulnerabilities

- Google Hacking
- Heartbleed Bug
- Meltdown & Spectre
- Spoofing Attacks
- Malware Types
- Social Engineering
- The Three-way Handshake & DoS Attacks
- Cybersecurity Scenario Activity

CMMC

- The Cybersecurity Maturity Model
- CMMC Framework
- Self-Assessment: CMMC

Code Injection Attacks

- Introduction to Code Injection Attacks
- OS Command Injection
- SQL Injection
- Buffer Overflow Attacks
- Cross-Site Scripting
- Self-Assessment: Code Injection

Networking

- Understanding Network Addresses
- MAC & IP Addresses
- The OSI Model
- Windows Permissions
- Kerberos Authentication

Find them online at: <https://bit.ly/2QZmRA3>

