



Basic Cyber Concepts

Lesson Overview

This lesson introduces several important concepts that are fundamental to cybersecurity. The chapter reading presents a modern framework to break down the steps involved in building an effective cybersecurity system, produced by reputable technology organizations. The chapter includes key concepts necessary to enact the stages of the framework (including the CIA triad model). The remaining lesson material explores online data security topics including passwords and user authentication.

Learning Objectives

- Explain how authentication measures protect devices and information from unauthorized access
- Identify various forms of multi-factor authentication
- Investigate password strength and complexity
- Classify information using the CIA triad model

Lesson Material



CFB Reading: Chapter 6 - Basic Cybersecurity Concepts (p. 58-72)



Watch: [Cybersecurity and Crime](#) [5:01]



Read & Watch: Khan Academy [Online Data Security](#), including all articles listed under the following topics:

- [User Authentication Methods](#) (2 articles; 1 practice set)



Watch:

- [How to Create a Strong Password](#) [3:30]
- [What is Password Cracking and How Does it Work?](#) [2:47]

Student Assignment

- [Authentication](#)

Teacher Resources

- [Grading Rubric](#)
- [Answer Key](#)