


CyberBytes


Empowering Educators Through Digital Literacy

CyberBytes Key Concepts - All Teachers Should Be Able To:

- 1 Critically assess how technology works and shapes our experience
- 2 Implement personal cyber security and privacy management best practices
- 3 Create their own digital media tools and outputs
- 4 Use technology to improve efficiency, effectiveness and engagement

 Be a life-long learner

 Enhance your student connections

 Receive your Cyber Educator Certificate

Make your classroom more engaging



Courses are free of charge



Create innovative lesson plans



CyberBytes Courses - Four Courses, Three Levels Each:

The Cyber Backbone

Cyber in Culture and Society

Cyber Design and Evolution

Cyber Security and Privacy

KILOBYTE | FOUNDATIONAL

- How Devices Create, Process, Store, Secure, and Exchange Data
- How the Internet, Web Browsers, Email, and Search Engines Work

- History and Impacts
- Cyber Etiquette and Ethics
- Digital Citizenship and Footprints

- Visual Design Basics
- User Design Principles and Perspectives
- Iterative Design Process and Testing Principles

- Information Triad
- Protection Interconnections
- Securing Devices, Information, and Accounts
- Common Scams and Dark Patterns

MEGABYTE | INTERMEDIATE

- Open Systems Interconnection (OSI) Model
- Internet of Things
- Common Protocols and Standards

- Lateral Reading Skills
- Assessing Online Sources
- Recognizing and Responding to Disinformation

- Web Design Basics
- Building Web Pages and Applications
- Blogging and Podcasting
- Accessibility

- Pseudonymity vs Anonymity
- Privacy Rights, Legislation, & Policies
- Assessing Privacy & Security
- Detecting & Responding to Personal Breaches

GIGABYTE | COMPREHENSIVE

- Basic Programming, Coding, and Algorithms
- Debugging
- Block Coding
- Engineering Design Process

- Mental and Physical Wellbeing
- Accessibility
- Human Biases within Tech
- Machine Learning and AI

- Screen casting and Video Creation
- 3D Modeling (Editing, Printing, Animation, Rendering)
- Digital Design Tools
- Metaverse, AR, and VR

- Be Your Own CISO
- Physical, Systems, and Process Controls
- Encryption and Protection Tools
- Attack Planes and Vectors