



# TECHNOLOGY, SECURITY, & ARTIFICIAL INTELLIGENCE

# TECHNOLOGY IN EDUCATION

- A variety of software and hardware to support instruction and to operate the campuses/districts
- Used for data-informed decision-making
- Reporting and research
  - Educational or Academic Technology
  - Enterprise or Administrative Technology

# EDUCATIONAL TECHNOLOGY

- Technology Unlocks Educational Boundaries
- Technology Simplifies Access to Educational Resources
- Promotes Individual Learning
- Supports Differentiated Instructions
- Removes the physical barriers to learning
- On-demand learning

# EDUCATIONAL TECHNOLOGY EXAMPLES



- Learning Management System
- Library System
- Tutoring System
- Early Alert System
- Counseling System
- Scheduling System

# ENTERPRISE TECHNOLOGY

- Technology allows an organization to improve productivity, efficiency, and efficacy
- Technology supports and organization to automate processes critical to run organization
- Technology to manage and oversee critical infrastructure
- Technology to grow the organization



# ENTERPRISE TECHNOLOGY EXAMPLES



- Office Productivity Suite
- Communication and Collaboration Tools
- Student Information System
- Finance and Accounting System
- Human Resource Information System
- Customer Relationship Management System
- Building Management System
- Access Control and Security System

# INFORMATION SECURITY

- A 24x7 threat to cause harm to an organization with a goal of stealing personally identifiable information (PII) to make money.
- The FBI's Internet Crime Complaint Center received 3,729 complaints about ransomware attacks in 2021.
- 2021 saw \$1.2 billion in Bank Secrecy Act filings for ransomware-related incidents, according to the U.S. Treasury's Financial Crimes Enforcement Network (FinCEN) analysis. For all of 2020, FinCEN only reported \$416 million in ransomware-related costs.
- Information Security starts with people.

# ARTIFICIAL INTELLIGENCE

## USE OF MACHINES TO

- Simulate human intelligence
- Perform tasks that requires human intelligence



## AI APPLICATIONS

- Robotics – manufacturing and healthcare
- Financial Modeling
- E-commerce
- Education

Reasoning | Learning | Problem-solving | Decision-making