

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
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- 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

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- 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.

ARTIFICAL 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