Presentation 1

Exploring 21st Century Learning
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Learn about the uses of technology and media to ensure appropriate student learning in the 21st century.

- Framework for 21st Century Learning
- Roles of Technology and Media in Learning
- The 21st Century Teacher & Learner
- Framework for 21st Century Learning Literacies
- 21st Century Learning Environments
- The Role of Standards
- Copyright Concerns
Framework for 21\textsuperscript{st} Century Learning

- Education must keep pace
- Technology and Media used for
  - Creativity
  - Innovation
- Learning Themes
  - Global awareness
  - Entrepreneurship
  - Life-long learning
Technology

- **Instructional Technology** - the integration of teacher and student use and knowledge of tools and techniques to improve student learning.

- **Technologies do not automatically make teachers more capable.**

- **Benefits for teachers**
  - Store and access information
  - Meet diverse needs of students
  - Education is expanded beyond the walls of the classroom

- **Technology Gap**
**Media**
- The plural of medium, media are means of communication
- Derived from the Latin *medium* ("between")
- The term refers to anything that carries information between a source and a receiver

**6 Basic Types of Media**
- Text
- Audio
- Visuals
- Video
- Manipulatives
- People
Media

**Media Formats**
- Whiteboards
- PowerPoint Slides
- DVDs
- CDs
- Multimedia

**Instructional Materials**
- Specific Text
- Specific Presentation
- DVD Title
- CD Title
- Specific Software
Teacher Use of Technology and Media

- TEACHER CENTERED INSTRUCTION - technology and media support the presentation of instruction
- Should enhance and promote learning
- Effectiveness depends on planning and selection
Teacher Use of Technology and Media

- **What is a DIGITAL TEACHER?**
- **Teachers use digital tools to...**
  - Expand and enhance teacher capabilities
  - Provide interactive instruction
    - Personal Response Systems
    - Mobile Tools
  - Participate in a global community of practice
- **ASSURE Model**
Student Use of Technology and Media

- **STUDENT CENTERED INSTRUCTION** - the primary users are the students
- **What is the role of technology and media?**
  - To teach part of or the entire instructional task
  - Help the teacher be a manager of learning
- **What is a DIGITAL STUDENT?**
  - Technology is a seamless component of learning
  - Interactive tools
  - Interact with others
The Changing Role of Media Centers

- Traditional library reading
- Information technology assets
  - Internet-connected computers
  - Education online resources
    - digital books
    - reference materials
    - educational software
- Classroom support materials
- Expanding role of the Library Media Specialist and Instructional Designer
Copyright Concerns

THE COPYRIGHT LAW

- Legal rights to an original work
  - Protects the financial interests of the creators, producers, and distributors of original works of information and art

- The Internet
  - Ease of illegal copying
  - All material is copyrighted (unless stated otherwise)
  - Teachers are the role models
Copyright Concerns

THE COPYRIGHT LAW

- Educators and the Copyright Law
  - Hefty Fines & Jail time
- FAIR USE
  - Copyright exceptions for teachers and students
    - Purpose and character of the use
    - Nature of the copyrighted work
    - Amount and substantiality of the portion used in relation to the copyrighted work as a whole
    - Effect of the use on the potential market for or value of the copyrighted work
  - Seek permission
  - Changing formats
    - Students with disabilities
Demonstrating Professional Knowledge

- How would you describe the status of the technology gap in today’s schools?
- What are the differences between technology and media?
- What are the six basic categories of media and the key features of each?
- What are the primary features of the eight types of literacy needed by today’s students?
- How would you describe the three types of instruction (face to face, distance, and blended) as they relate to the classroom continuum?
- What are the key concerns regarding copyright law for educational uses?