SHELLY CASHMAN SERIES®

Teachers Discovering Computers

Integrating Technology and Digital Media in the Classroom

Chapter 7 Evaluating Educational Technology and Integration Strategies

Remember to Read and Outline the Chapter AND the Special Feature Article and Include Page Numbers

Chapter Objectives (slide 1 of 2)



- Identify sources of information for evaluating educational technology and digital media
- Outline the considerations and tools used to evaluate software applications
- Describe and explain the key criteria used to evaluate Web resources
- **Describe the tools** for evaluating the effectiveness of technology
- Compare and analyze the methods used to evaluate student projects

Chapter 7: Evaluating Educational Technology and Integration Strategies

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Chapter Objectives (slide 2 of 2)

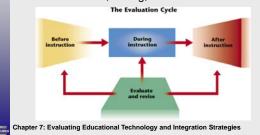


- Identify different technology integration strategies by classroom layout and design
- Define and describe the value of a curriculum page
- Describe ways to integrate technology into specific curriculum subject areas
- Describe authentic assessment tools for student projects
- Identify and compare possible sources of funding for classroom technology

Chapter 7: Evaluating Educational Technology and Integration Strategies

Evaluating Educational Technology

- Determining if the technology is appropriate and enhances the teaching and learning process
- Evaluate before, during, and after instruction



Evaluating Educational Technology

- Numerous resources and technologies to choose from
- School districts and state Departments of Education have
 - Lists of recommended software



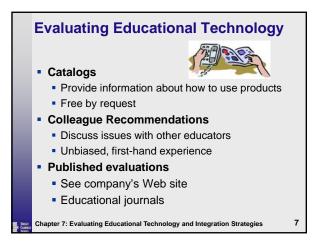
Chapter 7: Evaluating Educational Technology and Integration Strategies

Evaluating Educational Technology

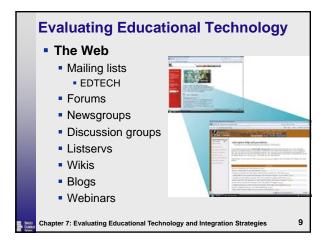
- Professional educational organizations
 - Local, state, regional, national, and international educational organizations
 - Web sites for organizations

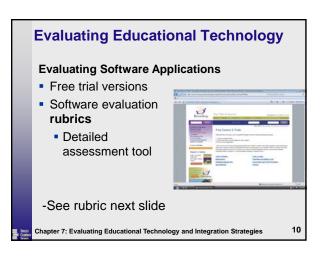


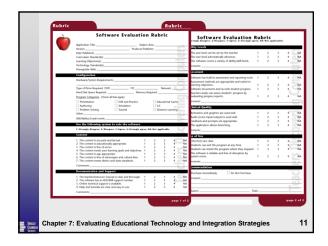
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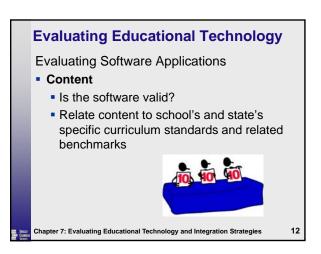












Evaluating Educational Technology

Evaluating Software Applications

- Documentation and technical support
 - Documentation- Printed or online information
 - Technical support-Telephone or Web support



Evaluating Educational Technology

Evaluating Software Applications

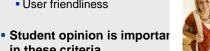
- Ability levels and assessment
 - Can software be used with various ability and academic levels?
 - Can software adjust the academic level and students move through the skills



Evaluating Educational Technology

Evaluating Software Applications

- Technical quality and ease of use
 - Technical quality
 - How well the software presents itself and how well it works
 - Ease of use
 - User friendliness



in these criteria

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Evaluating Educational Technology

Evaluating Web Resources



- Authority
 - Is the author clearly identified?
 - Examine the credentials of the author or organization of the Web site
 - Has the author or organization listed experience, position, education, or other credentials?

Chapter 7: Evaluating Educational Technology and Integration Strategies

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Evaluating Educational Technology

Evaluating Web Resources

- Affiliation
 - Who is the Web site associated with?
 - Examine the URL and domain name



Chapter 7: Evaluating Educational Technology and Integration Strategies

Evaluating Educational Technology

Evaluating Web Resources

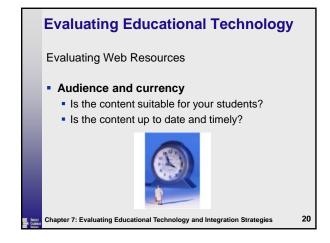
- Purpose and Objectivity
 - Is the content provided as a service?
 - Is the content unbiased?
 - Typically avoid religious/ political affiliated sites.

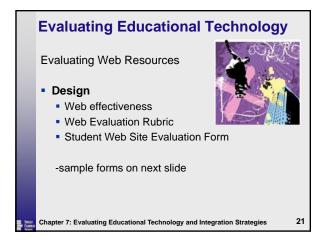


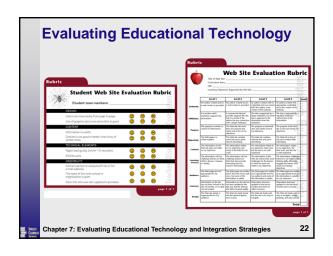
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Evaluating Educational Technology Evaluating Web Resources Content and Learning Process Is the content valid and appropriate? Does the information relate to your needs? What topics are covered? For what level is the information written? Do the links within the site add value?

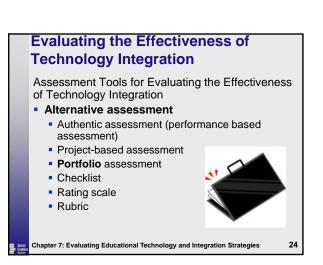
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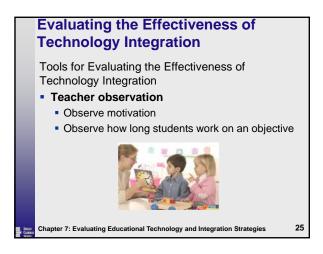


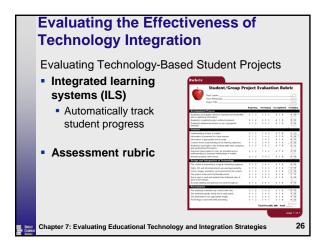


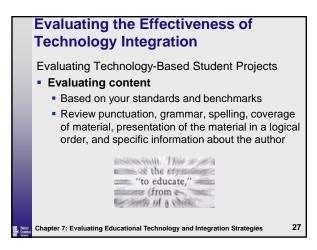


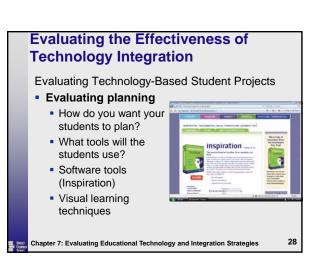


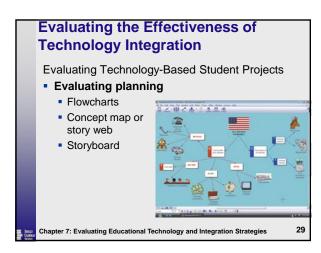




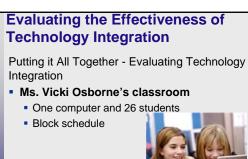














Chapter 7: Evaluating Educational Technology and Integration Strategies



Putting it All Together – Evaluating Technology Integration

- Ms. Vicki Osborne's goals for the lesson
 - Students work in groups
 - Use reference materials and Web resources
 - Identify three major campaign issues
 - Provide personal facts about the candidate
 - Create a group digital media presentation
 - Use correct grammar, spelling, and punctuation

Chapter 7: Evaluating Educational Technology and Integration Strategies

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Evaluating the Effectiveness of Technology Integration

Putting it All Together - Evaluating Technology Integration

- Ms. Vicki Osborne's lesson
 - Brainstorm to develop a concept map



Chapter 7: Evaluating Educational Technology and Integration Strategies

Evaluating the Effectiveness of Technology Integration

Putting it All Together - Evaluating Technology Integration

- Ms. Vicki Osborne's lesson
- Evaluation rubric
- Flowchart or storyboard
- Work in groups in 40-minute blocks
- Each group presents their project in the media center

Chapter 7: Evaluating Educational Technology and Integration Strategies

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Integration Strategies

- Teachers must become facilitators of learning
- Use technology to enhance learning environment
- Put technology at point of instruction
- Many mixtures of technology



Chapter 7: Evaluating Educational Technology and Integration Strategies

Integration Strategies



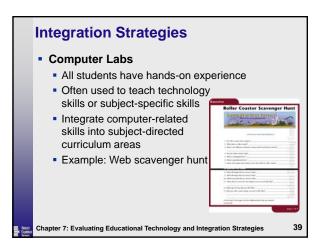
- One-Computer Classroom
 - Use the computer for classroom presentations and demonstrations
 - Introduce new concepts
 - Students use to present assignments, projects, and research activities to the entire class
 - Maintain class records, create presentations and projects, do research, and communicate with other teachers

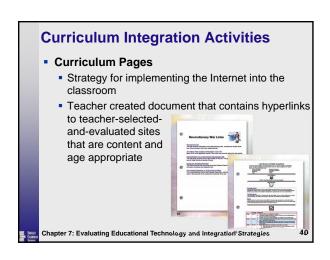
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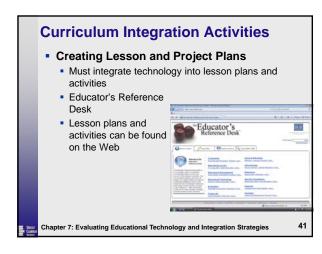
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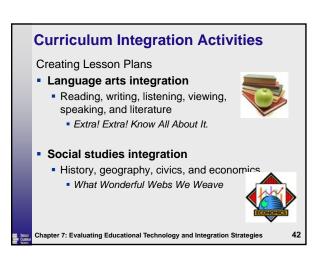












Curriculum Integration Activities Creating Lesson Plans • Mathematics integration • Basic number concepts, measurements, geometry, algebra, calculus, and data analysis • The Business of Professional Sports • Science integration • Physical sciences, earth and space sciences, and life sciences • Let's Think as a Scientist



Curriculum Integration Activities

Chapter 7: Evaluating Educational Technology and Integration Strategies

Creating Lesson Plans

- Exceptional education integration
 - All curriculum areas with adaptations made for students with special characteristics or special needs
 - Rain Forests Are in Trouble
- Interdisciplinary Integration
 - Includes two or more academic disciplines or curriculum areas to form a cross-discipline or subject-integrated lesson
 - Natural Disasters Occur Everywhere

Chapter 7: Evaluating Educational Technology and Integration Strategies

Finding Funds to Support Classroom Technology Integration

- Many school districts do **not** have sufficient funding for technology
- If school cannot provide funds, turn to the public, industry, and the government



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Finding Funds to Support Classroom Technology Integration

- Fund-raising Drives and Contests
 - Partner with local businesses
 - Small amounts of money can go a long way
 - Enter contests to win equipment
 - Involve parents and community
 - Showcase students' use of technology
- Volunteers -to donate computer repair services

Chapter 7: Evaluating Educational Technology and Integration Strategies

Finding Funds to Support Classroom Technology Integration

Grants

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- Funds provided by a funding source that transfers money, equipment, or services to the grantee
- Grantee is the teacher, school, or organization
- Sources:
 - Department of Education
 - Federal Sources
 - Foundations
 - Corporations



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Finding Funds to Support Classroom Technology Integration

Grants

- Request for proposal (RFP)
- Grant proposal
- Look for opportunities on the Web



Chapter 7: Evaluating Educational Technology and Integration Strategies

Chapter Summary (slide 1 of 2)

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Evaluating Educational
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Strategies

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