

Instructional Technology

Chapter (7) Lecture
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Educational Technology

- Evaluation of Technology for Instruction!
- Before, During and After Instruction!
- Evaluation: Identify Types of Technology
- Evaluation: Appropriateness of Technology
- Resources that assist: Ed Orgs, Ed Catalogs,
- Colleagues, Conferences, WWW Sources

Ed SW Applications

- Content: Appropriateness **and** Accuracy
- Relevancy: Curriculum Learning Objectives
- SW Rubrics best to evaluate Applications
- Content, Documentation, Tech Support,
- Levels, Assessment, Quality, Ease of Use...
- Rubric Forms: Pg 407 & 408

WWW Resources

- Professional Authority: Credentials...
- Organizational Affiliation: Institutions...
- Purpose & Objectivity: Reasonable...
- Content & Learning Process... **Pgs 412-3**
- Audience & Currency: Relevance...
- Page & Site Design: Navigation...

Effectiveness of Integration

- Assessment? Reliable & Valid
- **TA**: MC, FIB, Matching, Short Essay, etc...
- Authentic Assessment: Project & Portfolio
- Project Based Assessment: Product Based
- Portfolio Based Assessment: Many Projects
- Project Evaluation Checklist: **Pg 416**

Instructional Tools

- Checklist: Predetermined Performances
- Rating Scale: Numeric Value for Checklist
- Task Rubric: Descriptive Criteria
- Observation: Powerful but Subjective
- Interview: Insightful since One on One
- Student Project Rubric: **Pg 418**

Tech-Based Projects

- Checklists, Rating Scales, Observations, ...
- Assessment needs Goals & Objectives
- Projects: Content, Planning, Creativity
- Planning Tools: Flow Charts & Concept Maps
- **Inspiration** SW good for Organization!

Integration Strategies

- Students Engaged & Teachers Facilitate
- Strategies: One PC, Many PC, PC Labs...
- One PC Class: Demonstrations/Presentations
- Multi-PC Class: Learning Centers
- PC Lab: More Student involvement!!!

CPs, SHs, WQs, VTs

- **More Simple & Easy Integration**
- Create Curriculum (Student) Web Pages
- Convergent & Divergent Scavenger Hunts
- Create Stimulating Web Quest Lessons
- Create Virtual Field Trips and/or Tours

WWW Lessons

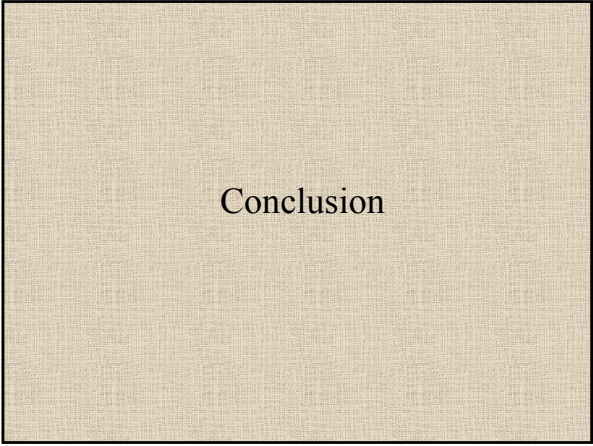
- Collaborative Lessons with fellow Teachers
- Share & Modify WWW Lessons
- Create Web Enhanced Info Pages (SGs)
- Create Interactive Activities or Web Sites
- Many detailed examples: [Pg 427-442](#)

WWW Lessons

- Language Arts: Research & Writing
- Social Studies: Ancient Egypt
- Mathematics: Measures, PS, Est, Geo!
- Science: Think like a Scientist!
- Health, Ph Ed, Arts...
- Exceptional & Interdisciplinary...

Funds & Grants

- Sources within a School District
- Private Organizations
- Private Foundations
- Government: Local, State, National
- School Activities, Clubs, Organizations



Conclusion
