

Technology Applied to Instruction

Integrating Technology into 21st Century Classrooms

Educ 572 * Unit 5 Lecture

Print Out the Study Guide PP for taking notes!
Use Pause & Play along with Table of Contents!

Select Content:

- Select (1) of the (7) content categories:
- Final Chapters: Integrating ET into Education
- (9) English & Language Arts: Issues/Problems, TISs
- (10) English LL & Foreign LI: Issues/Problems, TISs
- (11) Mathematics & Science: Issues/Problems, TISs
- (12) Social Studies: Issues/Problems, TISs
- (13) Music & Art: Issues/Problems, TISs
- (14) Health & Physical Ed: Issues/Problems, TISs
- (15) Special Education: Issues/Problems, TISs

Summarize Areas:

- Since there will be **no** slides or topics to summarize
- **and** all these content **slides** are basically the same,
- **review only** (1) slide which is your selected area.
- **Please** view these first (4) slides & Conclusion too!
- Briefly review (read text) for selected content areas
- **then** submit 1 page with 3 topics for **each** area.
- Each of 3 topics will be brief paragraphs (1 page)!

- **Note:** (2) area(s) / (2) papers **since NO** chapter test!

Assignments:

- Complete [remaining](#) (3) assignments as before:
- WWW Investigations [is the same for any area!](#)
- Case Studies [are the same for any area!](#)
- Thread Discussions [are the same for any area!](#)
- Only [Lecture](#) and [Textbook assignments differ!](#)
- Lecture, Textbook, Investigations, Case Studies, TDs...

English & Language Arts

- [Issues & Problems](#)
- Expand Definition, Standards, Keyboarding,
Social, Diverse, Need ARCS, Special Needs...
- [Technology Integration Strategies](#)
- LA Skills, Development/Supplement/Enrichment,
Literacy, Products/Portfolios, Email/Texting...
- [TI Example...](#) Class Revolution...
- Objectives... Key Terms... Good to look over...
- Use [Reference/Resource](#) Sites in [Course Home](#)...

English LL & Foreign LI

- [Issues & Problems](#)
- Challenges/Advantages of Diversity, Standards,
Multi-Language in Global World, Controversies...
- [Technology Integration Strategies](#)
- Oral/Written/Sub-skills, Presentation/Production,
Virtual FTs, Collaborate, Star Fall / [Acapela](#)
- [TI Example...](#) D, D, D, P, E [Parts to TIP](#)
- Objectives... Key Terms... Good to look over...
- Use [Reference/Resource](#) Sites in [Course Home](#)...

Mathematics & Science

- [NCTM](#): Principles, Content/Process Standards...
- Traditional vs. Standards Math... ([Wars](#))
- [Technology Integration Strategies](#)
- Virtual Manipulatives, Reasoning & Problem Solving,
 - Visual vs. Abstract, Data-Driven, Presentations...
- [NSTA](#): Standards, Promote [STEM](#), Difficult K-8,
 - Science Literacy, Direct vs. Inquiry...
- Support [Authentic](#) Science Experiences/Skills,
 - Concepts and Process, Lots of Work...
- Use [Reference/Resource](#) Sites in Course Home...

Social Studies Instruction

- [Issues & Problems](#): (2) pages different (3) topics!
 - Methods, Standards, Dilemmas, Resources,
 - History Wars, Content/Focus, Perils of Info Exp...
- [Technology Integration Strategies](#)
 - Simulated PS, Graphics, Virtual Trips, GPS/GIS,
 - Digital Story Telling, Electronic Research...
- [TI Example SS...](#) Study & Mapping...
- Objectives... Key Terms... Good to look over...
- Use [Reference/Resource](#) Sites in [Course Home](#)...

Music & Art Instruction

- [Issues & Problems](#)
 - M: Literacy, Standards, Merging, M Dir = SBA...
 - A: Funding, Ethical, Accessing, Challenges...
- [Technology Integration Strategies](#)
 - M: Compose/Produce/Perform/Self-Paced/History...
 - A: Accessing, Digital Images, GD/3-D, DTP, VFTs...
- [TI Example Music & Art...](#) ePortfolios...
- Objectives... Key Terms... Good to look over...
- Use [Reference/Resource](#) Sites in [Course Home](#)...

Physical & Health Education

- **Issues & Problems (HPE or HHP)**
- Physical Inactivity, Inst Time, Accurate Resources, Standards, Controversial Issues...
- **Technology Integration Strategies (HPE or HHP)**
- Improve Fitness, Motor Skills, Valid PHE Info, Beliefs & Interactions, Health Behaviors...
- **TI Example PHE...** Personal Fitness...
- Objectives... Key Terms... Good to look over...
- Use **Reference/Resource** Sites in **Course Home**...

Special Education

- **Issues & Problems** (2) pages different (3) topics!
- Legal & Policy Directives, Implications of NCLB, Trained Personnel, Inclusive CRs, Universal Ds of L
- **Technology Integration Strategies**
- Foundations TISs, TISs All = Mild/Moderate/Severe
- Phy/Sensory Disabilities, At-Risk/Gifted/Talented
- **TI Exp Special Ed...** Blending Disabilities...
- Objectives... Key Terms... Good to look over...
- Use **Reference/Resource** Sites on Internet (WWW)...

Conclusion Unit 5

- English & Language Arts: Issues/Problems, TISs
 - English LL & Foreign LI: Issues/Problems, TISs
 - Mathematics & Science: Issues/Problems, TISs
 - Social Studies: Issues/Problems, TISs
 - Music & Art: Issues/Problems, TISs
 - Physical & Health Education: Issues/Problems, TISs
 - Special (Needs) Education: Issues/Problems, TISs
- @ Pause & Play along with Table of Contents @**
Lecture, Textbook, Investigations, Case Studies, TDs...
