

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 (7) content (chapters) 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 similar in nature,
- review only (1) slide which is your selected area.
- Remember to view first (4) slides & Conclusion too!
- Briefly review (read text) for selected content area(s)
- 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 **Course Resources** or **Webliography if needed...**

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, Online Translations...
- **TI Example...** D, D, D, P, E **Parts to TIP**
- Objectives... Key Terms... Good to look over...
- Use **Course Resources** or **Webliography if needed...**

Mathematics & Science

- **NCTM:** Principles, Content/Process Standards...
- Traditional vs. Standards Math... (Wars)
- **Technology Integration Strategies (M & S)**
- Virtual Manipulatives, Reasoning & Problem Solving,
 - Visual vs. Abstract, Data-Driven, Presentations...
- **NSTA:** Standards, Promote **STEM**, Difficulty K-8,
 - Science Literacy, Direct vs. Inquiry...
- Science supports **Authentic** Experiences/Skills...
- Use **Course Resources** or **Webliography** if needed...

Social Studies Instruction

- **Issues & Problems:** (2) pgs & (3) **different** topics/pg!
- 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 **Course Resources** or **Webliography** if needed...

Music & Art Instruction

- **Issues & Problems**
- **M:** Literacy, Standards, Merging, Music 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 **Course Resources** or **Webliography** if needed...

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 **Course Resources** or **Webliography if needed...**

Special Education

- **Issues & Problems:** (2) pgs & (3) **different** topics/pg!
- 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 **Course Resources** or **Webliography if needed...**

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...
