


Technology in the Early Childhood Classroom


ECHD 430
Mary Lu Love

Goals



- 2. Integrating technology and early learning standards & designing computer activities
- 4. Integrate technology into math, science, and social studies activities with digital cameras, smart boards, document cameras, and others.
- 5. Create curriculum activities using Kidspiration or IntelliPics Studio


Agenda



- Review videos of technology in the classroom for Infant/Toddlers and Preschool
- Draw up an action plan for implementing technology in your classroom
- Photography
- Voice Threads
- Evaluate the success of apps


Instructional Strategies

- Easy to hard
 - *Multimedia principle:*
 - *Coherence principle*
 - *Signaling principle*
 - *Redundancy principle*
 - *Spatial contiguity principle*
 - *Temporal continuity Principle*
- Logical grouping
- Prerequisite skills




Instructional Strategies

- Strategies:
 - *Exploratory play*
 - *Guided discovery*
 - *Demonstration/modeling*
 - *Embedded learning opportunities*
 - *Interactive discussions*
 - *Problem solving*
 - *Direct instruction/ child-focused instructional strategies*
 - *Prompting*
 - *Signals*



Videos

1. <http://www.youtube.com/watch?v=r-6aronziAQ&feature=share&list=ULr-6aronziAQ>
Impact of technology on children's brains



Inclusion

- Natural environments
- Family partnership
- Universal design for learning
- Standards based development
- Desired results for development
- Naturalistic intervention
 - Activity-based interventions
 - Assistive technologies embedding into environments and routines



Desired Result (CA)

- <http://www.desiredresults.us/>



Videos

2. <http://youtu.be/MGMSt4qNA-c>
Baby Works iPad Perfectly



Elephant seal

- What were the preschoolers able to do that wouldn't have been possible without technology?
- How was it shared yet secure?
- Have you been inspire to try something similar: why or why not?



Voice Thread

- <http://umb.voicethread.com/>
- During the week comment on this VoiceThread (I'll send the link):
<http://umb.voicethread.com/share/4912631/>
- Slide Share is similar site:
<http://www.slideshare.net/>

Find Education in Educational Technology

- Using technology to scaffold
 - Cognitive scaffolding
 - Technical scaffolding
 - Affective scaffolding



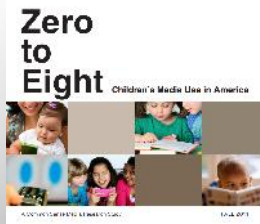
Videos

3. <http://youtu.be/mUPD4iyoVI>
iPad Effect on Toddlers – ABC news 2011



Conclusions

- Baby videos
- Bedroom TV
- Educational Media
- Digital divide
- Quality entertainment
- Reading
- Multitasking



Videos

4. <http://youtu.be/Krf52MtO5wE>
Summer Bridges Program - iPad Success in
Preschool Education



Working with Photographs

- Saving
- Editing
- Organizing
- Sharing on the web



iPads

- Choose one app and complete this form to evaluate it.
- Put your name on back and hand-in will share on wiki.

