



## Technology in the Early Childhood Classroom

ECHD 430  
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### 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

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### 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

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### Instructional Strategies

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




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### Instructional Strategies

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




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### Videos

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




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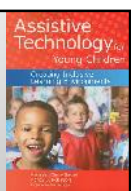
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### Inclusion

- 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




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### Desired Result (CA)

• <http://www.desiredresults.us/>




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### Videos

2. <http://youtu.be/MGMst4qNA-c>  
Baby Works iPad Perfectly




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### 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?




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### 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/>

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### Find Education in Educational Technology

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




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### Videos

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



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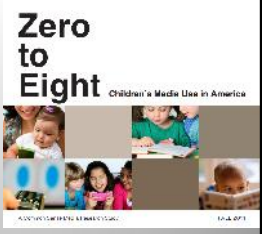
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### Conclusions

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



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### Videos

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



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### Working with Photographs

- Saving
- Editing
- Organizing
- Sharing on the web




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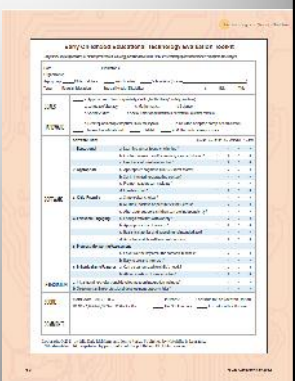
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### iPads

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




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