


**Technology in Early Intervention**



ECHD 430  
Session 5

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**Goals**



3. AAC systems to enhance children's vocabulary, participation in the curriculum, conversational and social interaction skills.

9. Use digital photos and software applications

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**Agenda**



- Exploring the toys
- Role Playing Home Visits with technology;
- Supporting families to use technology
- How do you support parents as an EI specialist, or provider?
- Blogs/social media

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### Journal



#### Main goals:

1. Reflection on topic and your personal experiences, opportunities, etc.
2. Demonstrate to the instructor that you have read and can apply the concepts to the discussion.
3. Learning to write and reference articles properly. Academic writing requires that you: *Stand on the shoulders of giants.*

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### Referencing in Journal



- See OWL Purdue's online Writing Lab: <https://owl.english.purdue.edu/owl/resource/560/01/>




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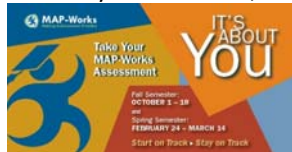
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### New Resource for Students

- Map-Works [self-assessment](#) open Oct 1-18, 2013 and February 28-March 14, 2014



[http://www.umb.edu/academics/vpass/uac/map\\_works](http://www.umb.edu/academics/vpass/uac/map_works)

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### Thinking about Lesson Planning

- <https://www.dropbox.com/s/huc3sl5h99j8ks2/Grading%20Rubric%20for%20Lesson%20Plans.doc>

- Due Oct 23<sup>rd</sup>




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### Lesson Plans

- Standards, better to link to one or two and cover in depth than link to 10 or 12
- Skill development
- Activity:
  - Intro
  - Hand on
  - Conclusion




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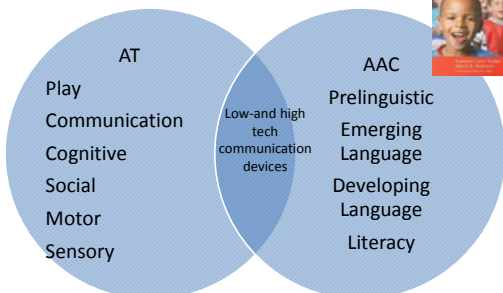
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### AT & AAC



<http://www.youtube.com/watch?v=cdCkLCUxOvw>

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### Early Communication Stages

Stage	Prelinguistic	Emerging Language	Developing Language
Age range	Birth to 1 year	1-2 ½ years	2 ½ to 5 years
Vocal/ verbal	Cooing, babbling, gesturing	First words with simplified forms; gestures continue	Speech becomes clearly understandable; masters most sounds in primary language
Social/ pragmatic	Joint attention, turn taking, emerging communicative intent	Clear communicative intent; request, comments, greets, refuses, and interacts with words	Continues social interaction skills; tells events and narratives
Vocabulary/ semantics	Understands many words and routines	Expands expressive vocabulary from 3 to 300 words; learns new words rapidly	Expands vocabulary from 50 to 5,000 words; deepens concepts
Phrases/ syntax	NA	Begins combining words in phrases and simple sentences	Develops complex sentence forms

<http://www.unc.edu/fpg/connect/module5/CONNECT-Video-5-9.mp4>

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### Communication supports

- Photos
- Communication book
- Icons with labels
- Activity board
- Storyboard
- VOCA - voice output communication
- Digitized speech
- SGD - Speech generating device

<http://www.unc.edu/fpg/connect/module5/CONNECT-Video-5-8.mp4>  
<http://www.unc.edu/fpg/connect/module5/CONNECT-Video-5-12.mp4>

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### Project CONNECT,

- Family Child Care
- <http://www.unc.edu/fpg/connect/module5/CONNECT-Video-5-1.mp4>
- Parent's View
- <http://www.unc.edu/fpg/connect/module5/CONNECT-Video-5-2.mp4>

**CONNECT Modules**  
 CONNECT: The Center to Mobilize Early Childhood Knowledge

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### Switches

User's abilities:

- Force available to activate
- Effort needed
- Eye-hand coordination
- Range of motion
- Able to cross midline
- Able to maintain (release) pressure/hold
- Finger isolation




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### Types of switches



Single switch	Dual or two switches	Multiple switches
Cause and effect	Morse code	Connected as one unit
Continuous scanning	Two-switch step scanning	Separated
Joystick		

<http://www.unc.edu/fpg/connect/module5/CONNECT-Video-5-5.mp4>

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### Assistive Technology Evaluation

1. Developmental needs
2. Cognitive and emotional resources
3. Health and development
4. Needs of child and family
5. Equipment and device options
6. Use of the equipment
7. Recommendation for device
8. Loan of equipment




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**Social Media**

<http://www.esbyfs.com/socialmediareources>



**Blogs**

<http://blogs.umb.edu/blogs/>



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**Changing the role of Education**

- <https://vialogues.com/vialogues/play/8364>



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**iPad activity + Toys**

- Use *Software Features Checklist* from Sadao and Robinson to evaluate an app.
- Take a photo,
- Edit Photos, crop, change hue or contract etc.
- Share in DropBox



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