

## Back Channel



Connect during the lecture.

- Discussion
- Polls
- Share URLs

Laptop, Netbook, Smart Phone

[tinyurl.com/unietdchat](http://tinyurl.com/unietdchat)

iClipart for Schools

## Educational Technology Minor

Only 17 - 18 credits



**Required - 8 - 9 hours:**

- Educational Tech & Design (*You got it*)
- Classroom Computer Applications
- Technology in Education

[www.uni.edu/edtech/minor](http://www.uni.edu/edtech/minor)

## Educational Technology Minor

**Electives - 9 hours:**

*Fall*

- Visual Literacy
- Emerging Instructional Technologies
- Media Planning & Production



*Spring*

- Digital Imaging
- Principles of Publication Design
- Digital Instructional TV Production

[www.uni.edu/edtech/minor](http://www.uni.edu/edtech/minor)

## Take a Class This Summer

**Principles of Publication Design (online)**

- INSTTECH 4170
- 6 weeks: June 4 – July 13

**Ed Tech and Design (Face-to-Face)**

- INSTTECH 1031
- 4 weeks: May 7 – June 1
- 9:00 - noon

**Tell Your Friends!!!**

## Minor Electives OUTSIDE of I.T.

▪ **Special Education**

- SPED 4153 - Assistive Technologies

▪ **Math**

- MATH 1210 - Tech for Elem School Math Teachers

▪ **Foreign Language**

- LANG 4093 - Tech in Foreign Language Education

[www.uni.edu/edtech/minor](http://www.uni.edu/edtech/minor)

## Ed Tech Users Group (eTUG)

- Student led
- Educational Technology
- Service Club
- Watch the video
- Complete the survey
- Complete the sign-up



[tinyurl.com/etugblog](http://tinyurl.com/etugblog)

[tinyurl.com/etugsurvey](http://tinyurl.com/etugsurvey)

[tinyurl.com/etugsignup](http://tinyurl.com/etugsignup)

## Karen Billings - Alumnus in Residence



### The Changing Face of Education

Thursday @ 6:00 in SEC 423

VP of Education  
Software &  
Information Industry  
Association

Dr. Leigh Zeitz  
*Educational Technology & Design*

## Assistive Technologies

## Assistive Technology?

“includes assistive, adaptive, and rehabilitative devices for people with disabilities.”

## Differentiated Instruction

- Process in teaching and learning for students of differing abilities in the same class.
- Maximize each student's growth and individual success by meeting each student where he or she is and assisting in the learning process.

## Universal Design for Learning (UDL)

“A curriculum should include alternatives to make it accessible and appropriate for individuals with different backgrounds, learning styles, abilities, and disabilities in widely varied learning contexts.”

## UDL at a Glance (CAST)



## UDL calls for multiple means of . . .

- Representation
- Action & expression
- Engagement



## What is Disabled?

. . . autism, deaf/blind, deafness, hearing impaired, mental retardation, multiple disabilities, orthopedic impairment, serious emotional disturbance, specific learning disabilities, speech or language impairment, traumatic brain injury, visual impairment including blindness, and other health impairment. (*IDEA, 2004*)

## Labels = Eligibility

- Disability adversely affecting performance
- Requires special education to receive *Free and Appropriate Education (FAPE)*

*IDEA 2004*



## It's the Law!

- **American Disabilities Act of 1990**
  - Special needs must be addressed
- **Individuals w/Disabilities Education Act (IDEA) - 1997/2004**
  - Individual Education Program
  - Free and Appropriate Public Education
  - Least Restrictive Environment



## Individual Education Program

- Meet unique needs
  - Understand the disability
  - How best to address it
- Team Members
  - Parents
  - SPED representative
  - Teacher
  - Admin representative
  - Others as needed



[ttacnews.vcu.edu](http://ttacnews.vcu.edu)

## Types of Disabilities

- **Perception**
  - Low Vision, Blind, Hearing Difficulties, Deaf
- **Physical**
  - Musculoskeletal/Connective & Neuromuscular
    - Cerebral Palsy, Nerve Damage, Head/Spinal Injury
    - Multiple Sclerosis, Birth Defect, Missing limbs
- **Learning**
  - Dyslexia, dysgraphia, dysphasia, dyscalculia
- **Developmental**
  - Autism, retardation

## Low Tech Adaptations

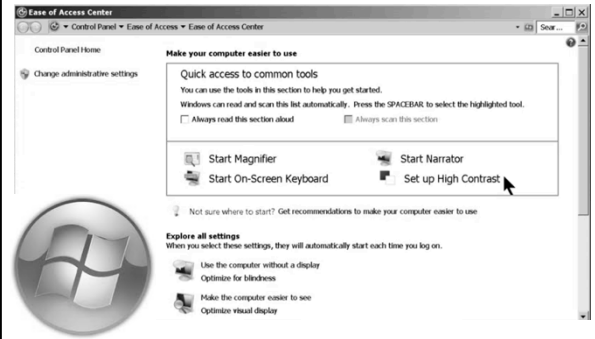
- Low Tech
- High Touch
- Low Price
- No Computer Hardware



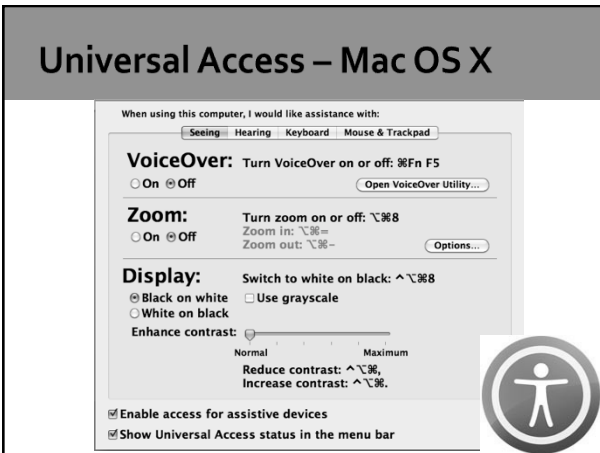
www.thepencilgrip.com

Let's look at some Low Tech Adaptations

## Ease of Access – Windows 7



## Universal Access – Mac OS X



## Perception - Blindness



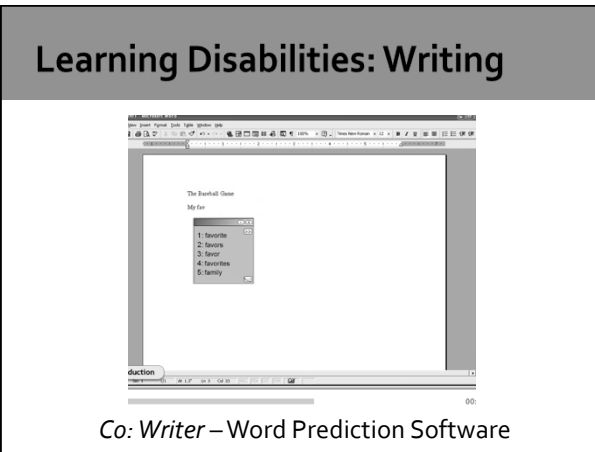
## Learning Disabilities: Reading

**Learning Ally** ))((  
Making reading accessible for all.  
(Formerly RFB&D)



**AudioBooksForFree.com**

## Learning Disabilities: Writing



Co: Writer – Word Prediction Software

# The Left-Thumb Blogger



**Glenda Watson Hyatt**

About Glenda Watson Hyatt · I'll Do It Myself: The Book · Work with Glenda

**The iPad as an Affordable Communicator: Initial Review**  
Filed under: Living with a disability — by Glenda at 2:22 pm on Saturday, May 15, 2010

While in Chicago, I made a short track to the Apple Store. My mission was to try out an iPad, which are still available here in Canada until May 28th, to see if I could reliably use the touch screen with my shaky athetoid cerebral palsy. The reason for wanting an iPad is to use it as a communication device while I'm out and about.

210 reads

Glenda Watson Hyatt shares her experiences living with cerebral palsy to motivate and inspire others to think about how they perceive their own situation and their own world around them. She does all this by typing with only her left thumb!

**Read Glenda's Book - available in paperback and on the Kindle!**

**I'll Do It Myself**

- Don't miss the next post!
- Receive blog updates via email
- Subscribe via RSS
- 4 More Ways to Connect with Glenda:

facebook Leigh Zeitz Home

## Assistive Technology

Open group 410 members 6 photos 2 Docs

Request sent X

Search this group Q

FAVOURITES

- News Feed
- Messages
- Events

APPS

- Social Calendar
- Adding Games
- Game requests
- Gardens of Time
- MyCalendar - Birth...
- Get Friend Map
- Application requests

GROUPS

- Flat Classroom
- Growing up in La...
- You know you're f...
- Create group

Diane Conner  
This question has been asked before so sorry for the repeat. What word prediction &/or text to speech apps are there that would help dyslexic teens post on their FB page and also with text messaging?  
11 hours ago via Mobile

Jeanette Van Houten Word prediction typo hd it is ok voice is horrible. Intellipad has text to speech and word prediction student can cut and paste text into fb. There are no independent apps that work directly.  
4 hours ago via Mobile

Diane Conner Thanks Jeanette!  
2 hours ago via Mobile

Andrea Propas  
Anyone using Boardmaker Studio? Thoughts? I have to say I am impressed with their templates-easy to use in the classroom. However-very \$.  
Yesterday at 11:46

View all 10 comments

Members (410) See all

People you may know See all

Knowlue Kidd 35 mutual Friends Add Friend

Sponsored Create an advert

e-Learning Authoring Tool elearninggates.com

e-Learning Authoring Tools We've cataloged every e-learning authoring tool out there. Use the e-Learning Atlas to filter and compare, and find what you need.

Automatic camera uploads eye.ii

# Access Tools



Flickr.com/La Fabrique de Blogs

Flickr.com/motorola

# Connecting It All Up!!!



AppleTV = \$99

AirPlay

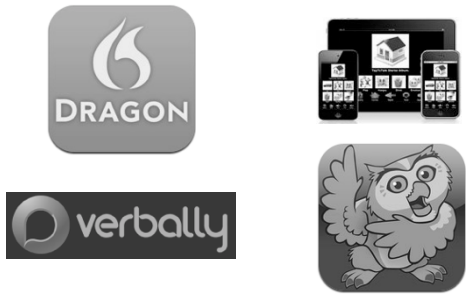
# Connecting It All Up!!! with Software



Reflection = \$15

AirPlay

# Assistive Technology Apps



DRAGON

verbally

## Challenge

- Find *Assistive Technology* apps
  - Find references
  - Find producers' sites

Tags:

Space separated. Use " " for tag with multiple words.

Used last time:

Recommended:

