Where disabilities become possibilities

Assistive Technology Breakthroughs for Students with Disabilities

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Where disabilities become possibilities

Contact Information

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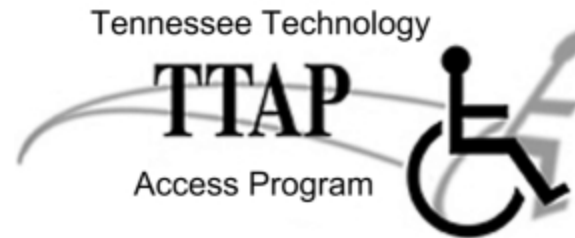# ETTAC on Facebook
(865) 219-0130

Assistive Technology Breakthroughs

- Objectives:
  - Learn from each other!
  - Discuss state and local resources for assistive technology
  - Present examples of breakthroughs in assistive technology
  - Provide resources for further research and investigation

Tennessee Technology Access Program Centers

East Tennessee Technology Access Center
www.ettac.org

Mid-South Access Center for Technology, Memphis
http://www.memphis.edu/act/index.php

The Star Center, Jackson
http://www.starcenter.tn.org/

Technology Access Center, Nashville
http://tacnashville.org

Signal Centers Assistive Technology Center, Chattanooga
http://www.signalatcenter.org/

Where disabilities become possibilities

Tennessee Technology Access Program Centers

TTAP provides funding to five regional assistive technology centers across Tennessee. The centers provide training, evaluation, minority outreach and advocacy services. The staff at each of the centers works closely with businesses, school systems, vocational rehabilitation and the medical community to increase the independence and productivity of persons with disabilities through the use of assistive technology devices and services.

Funding Assistance

Device Demonstration

Device Loan

Device Reutilization

Where disabilities become possibilities

ETTAC Services

- Equipment Demonstration
- Educational Technology Services
- Vocational Technology Services
- HeartSong Center
- Community Services
- Workshops

Service Philosophy

- Presume competence
- Customer Driven
  - includes family and caregivers
- Trial use
- Vendor neutrality
- Service staff work as a team

Assistive Technology Breakthroughs

- Wireless/Bluetooth
- Mobile devices
- Web and Cloud Based Applications
- E-text Options
- Eye Gaze Technology
- Social Media
- Free Tools

Wireless/Bluetooth

- Reduces wires and increases safety

- Devices can be placed at a distance from the computer for positioning needs

- Allows access to standard Bluetooth enabled devices

Intelliswitch
www.intellitools.com

Wireless Pal Pad Switch
www.adaptivation.com
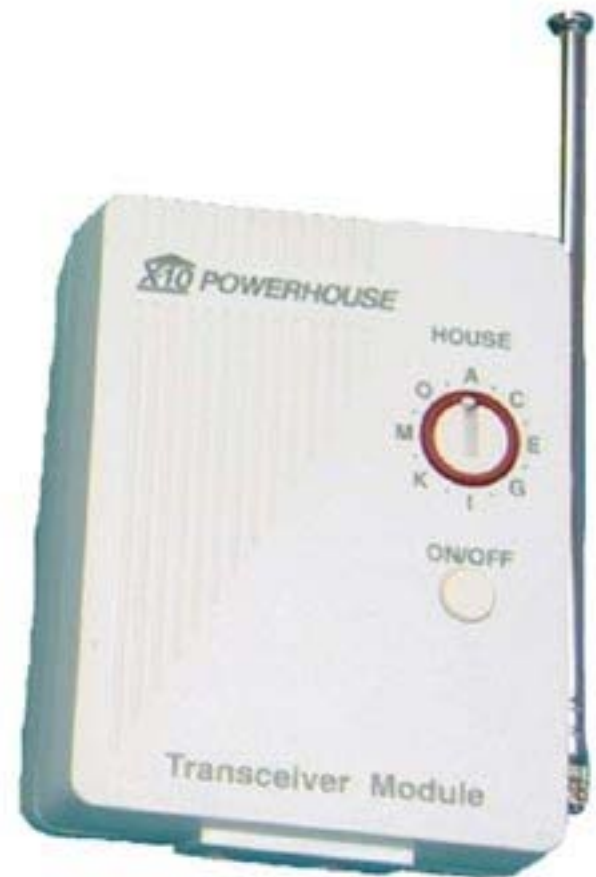
Wireless Keyboard and Wireless Mouse
www.maxiaids.com

Wireless Headset Microphones

Switch Access for iPad and iPod Touch

Ablenet Bluetooth Switch for iPad

www.ablenetinc.com

iPad Switch Interface
www.rjcooper.com

Big Button iPod Remote
www.rjcooper.com

Switch Access for iPad and iPod Touch

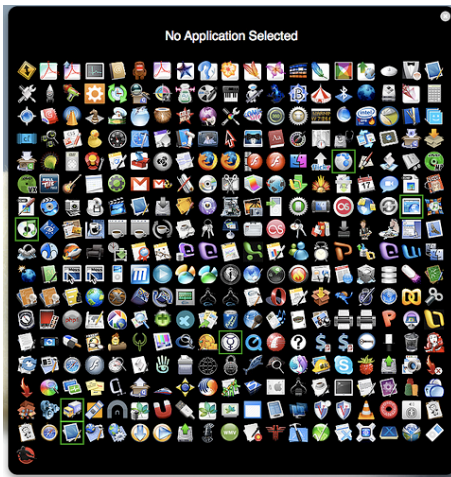Hook™ iPod Switch Access

www.ablenetinc.com

It's a Mobile World!

Mobile Devices- What Do They Offer?

- Communication

- Learning

- Entertainment

- Mainstream technology

- The "cool" factor

- Universal Design options

- Portable apps
  - USB jump drives to take applications with you

Switch Access for iPad and iPod

- Apps must be written for switch access
  - http://www.janefarrall.com/html/ipad.html
- Single click
  - one hit of the switch makes the screen change
- Linear scanning
  - items are presented one by one for selection
- Group item scanning
  - multiple items are presented in rows

There's an App for That!

- **THE Journal**

  http://thejournal.com/articles/2012/04/11/9-new-apps-for-autism.aspx?=techinspecialed

- **Moms with Apps**   http://momswithapps.com/

- **Technology in (Spl) Ed**   http://techinspecialed.com/

- **AACTechConnect**   http://www.aactechconnect.com/

- **Boston Children's Hospital**

  –http://www.childrenshospital.org/clinicalservices/Site2016/mainpageS2016P19.html

- **Apps for Children with Special Needs**

  –http://a4cwsn.com/

Text Capture and Reading

Intel Reader
http://www.humanware.com/en-usa/home

Livescribe Pen
www.livescribe.com

Classmate Reader
http://www.humanware.com
/en-usa/home

Text Capture and Reading

IRIScan Book 2
http://www.irislink.com/

Any Book Reader
www.donjohnston.com
www.amazon.com

Web and Cloud-Based Applications

Evernote
www.evernote.com

Drop Box
www.dropbox.com

Web and Cloud-Based Applications

Bookstream™
Your eBook Cloud,
Their iPads, Laptops,
Smartphones

www.donjohnston.com

Web Apps and Portable Apps

Read&Write 8.1 GOLD

Introduction   [Play]

"the objectives or targets of the lesson in terms of what the children will learn and be able to do: making clear the targets to be achieved by the end of the lesson helps to make the lesson purposeful and helps the children to take appropriate responsibility for their learning" Teachernet (2007)

www.texthelp.com

Read and Write Web

eBook Reader

Skill Based Applications

* Can be accessed via web with accounts

       MindPlay
       TextHelp
       PLATO
       Reading Horizons

E-Text Options

BookShare
www.bookshare.org
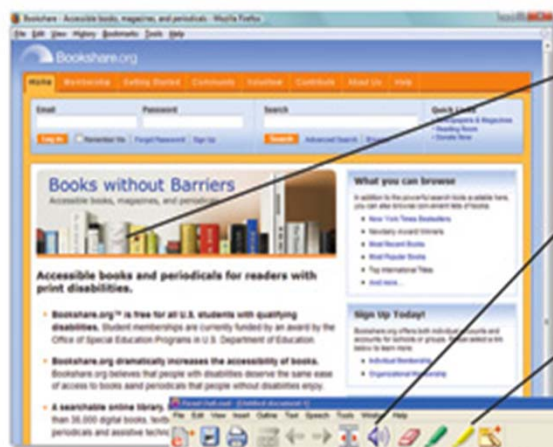
Get It – Browse the Bookshare website and select a book

Read It – Click the speech button to hear the book read

Learn It- Use study tools to highlight important passages and take notes
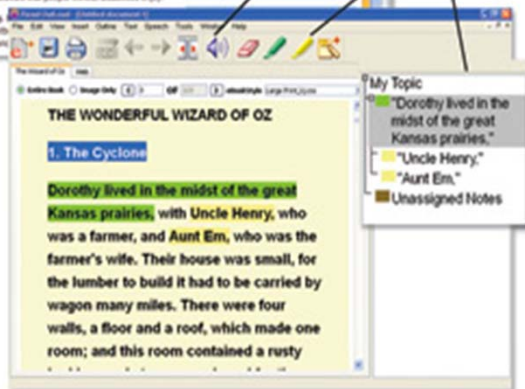
E-Text Options

tarheelreader.org

Switch accessible

Intellikeys access

Read on the web

Download and read on mobile devices

So Many Books. So Little Time….

- iBooks

- Books on-line

- Apps with interactive books

- Audio Books and Pod Casts

- Creating your own books
  - Pictello

Digital Storytime

Storynory

Eye Gaze

www.tobiiati.com

www.dynavoxsys.com

Eye Gaze

http://www.words-plus.com/

www.prentrom.com

Social Media

- Life long learning
  - blogs, information from developers, news, etc.
- Communication
- Opportunities for language and writing
- Motivation
  - E-Pals
  - http://www.donjohnston.com/wollak-epal/index.html

For Free?!

– Natural Reader www.naturalreader.com

– Read Please   www.readplease.com

– ClickNType   http://cnt.lakefolks.com/

– Camera Mouse   http://cameramouse.org/

– Open Office   http://www.openoffice.org/

– Give Away of the Day

• http://giveawayoftheday.com/

– My Study Bar   http://eduapps.org/?page_id=7

Resources

- Each Other

- Webinars

- Blogs
  - http://atclassroom.blogspot.com/

- Family Center on Technology and Disability
  - http://www.fctd.info/

- Quality Indicators in Assistive Technology
  - www.qiat.org

What's next?