AMAC
Accessibility for All

Considerations in the Assistive Technology Assessment Process

TOOLS for LIFE
Georgia's Assistive Technology Act Program

www.amacusg.org

Welcome to the Assistive Technology Revolution!

The world around us is evolving at an astounding rate. Assistive Technology developments have been foundational in this evolution and a catalyst for producing positive life-changing results for individuals with disabilities.

This session will take a closer look at:

- AMAC | Tools for Life – AT Act Program
- Advocacy & Knowing Your Rights
- Making and LD Evaluation Your Action Plan
- Understanding Assistive Technology
- Using “Low/Light Tech” to inform “Mid/High Tech Solutions”
- 5 Trends to Watch
- where we are and perhaps, where we are going.

…all in 60 minutes!

For Handouts: http://www.gatfl.gatech.edu/tflwiki

AMAC

AMAC Accessibility is a social change organization on a mission to create affordable services for governmental, private and non-profits organization working with individuals with disabilities. Services include e-text, braille, captioning, assistive technology, office management software and consulting.

Accessibility Made Smart

AMAC creates practical solutions that work, with a focus on utility, ease of use, and high quality.

- **Accessibility Consulting** focuses on organizational accessibility needs with evaluation, technical assistance, customer support, and website accessibility solutions.
- **Braille Services** produces customized projects from both print materials and electronic text including partial books and chapters or graphics only using cutting-edge technology.
- **Captioning Services** makes classrooms, meetings, labs and other audio environments fully accessible for deaf or hard-of-hearing.
- **Professional E-Text Producers** provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML.
- **Certified Assistive Technology team** provides on-site and remote assessments, demonstrations, training and technical assistance for education, work, and daily living environments.

For more information, please visit our website at www.amacusg.org

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TFL AppFinder

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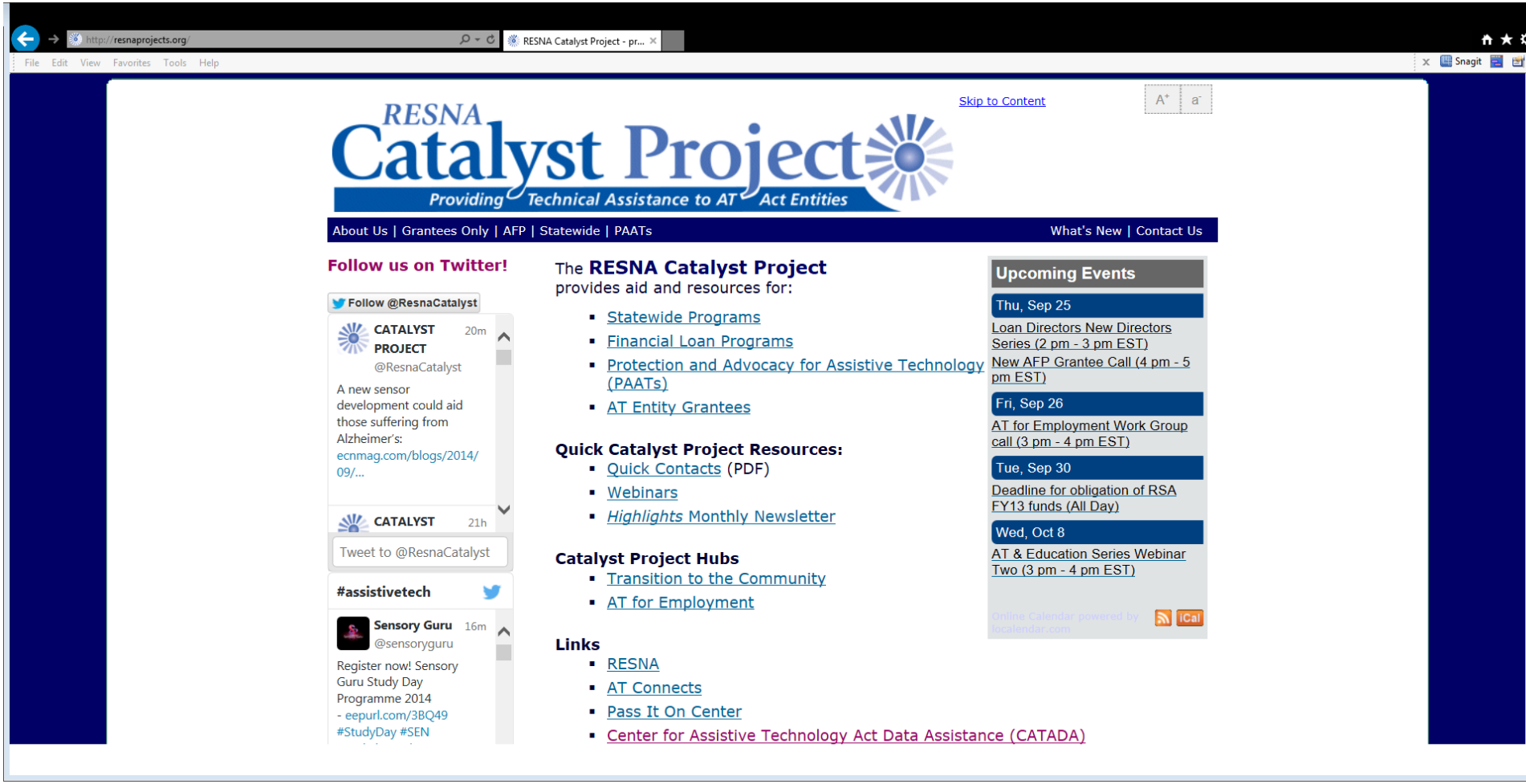
TFL AppFinder

Search by:

- ✓ **App Name**
- ✓ **Categories**
  - Book
  - Education
  - Environmental Adaptations
  - Hearing
  - Cognition, Learning, Developmental
  - Navigation
  - Personal Care and Safety
  - Productivity
  - Communication
  - Therapeutic Aids
  - Vision

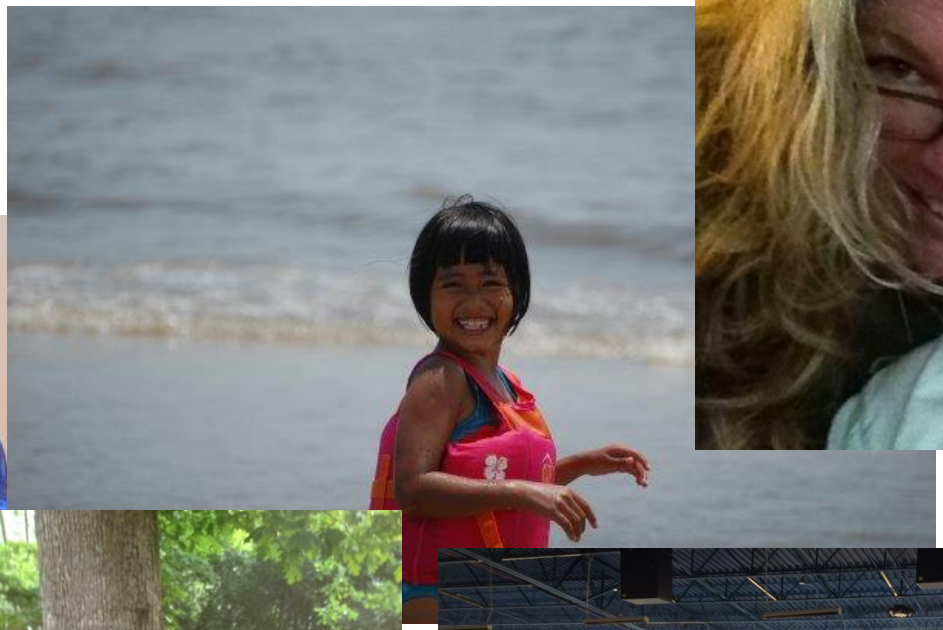
Get to Know Your AT Act Program



- http://resnaprojects.org/

Considering the Lifespan!

- Master Our Skills!
- Expand Our Knowledge and
- Build Stronger Schools to Create an amazing, Inclusive and United Community!



Consider this -

- My Success relied on
  - Assistive Technology!!
    - Try before you buy – Explore!
    - Training
    - Think across environments –
      - Laptop – Still Need!
      - iPhone – I used 13 apps yesterday and today!
      - iPad – use everyday
    - Organization – Learn Your Style
      - efficiency brings peace
    - Evaluations – Hot Button
      - Working from No/Old/Incorrect info
      - Don't trust everything you read & hear
    - Advocate for an AT Evaluation/Assessment

Consider this -

- My Success relies on
  - Failing
  - Dignity of Failure
    - I learned More from My “Failures” sometimes than my “successes”
    - Give yourself room to fail – and Grow from the experience
    - Learn to Laugh…a lot!
    - Be Optimistic…
    - Evaluate & Evolve!

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Begin with the End in Mind!

- Know Your Rights

Why Assistive Technology?

- For a person without a disability, technology makes things easier….
- For a person with a disability, technology makes things possible.
- **TIP: USE AT. I have yet to meet a successful student with disabilities who doesn't use Any AT.**

What is Assistive Technology?

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Assistive Technology Device

...any item, piece of equipment or product that is used to increase, maintain or improve functional capabilities of individuals with disabilities.

- Public Law 105-394 [29 USC 2201]

Low/No-tech

- pencil grip
- adapted books
- slant board
- highlighters, tape
- magnifiers
- color coding
- read to out loud
- picture schedule
- strategies for memory
- colored transparencies
- Proof readers
- note taker

Mid-Tech

- word prediction
- text to speech
- speech to text
- spell checkers
- talking calculators
- digital recorders
- organizers
- e-books
- adapted keyboard
- adapted mouse
- adapted toys
- CCTV
- apps under $100

High-Tech

- computer/laptops
- tablets/phablets
- smartphones,
- smartpens
- OCR scanner/software
- magnification software
- speech output devices
- switch, joystick access
- scanning access
- voice recognition
- environmental control devices
- apps over $100

What is an AT Service?

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Assistive Technology Services

Any service that **directly assists an individual with a disability** in the selection, acquisition, or use of an assistive technology device.

Includes:

- Evaluating
- Providing devices
- Selecting, Designing, Customizing
- Maintaining, Repairing
- Coordinating
- Training/Technical Assistance –student, family and school service providers

- Public Law 105-394 [29 USC 2201]

Assistive Technology Continuum

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Observations & "Hanging out with Intent"

Assistive Technology is a **continuum of tools, strategies, and services** that match a person's needs, abilities and tasks.

Low/No-tech

- pencil grip
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- scanning access
- voice recognition
- environmental control devices
- apps over $100

Assistive Technology Laws
Family Center on Technology and Disability

- **Americans with Disabilities Act** (ADA)
  Public Law 101-336 [42 USC 12101]

- **Individuals with Disabilities Education Act** (IDEA)
  The Individuals with Disabilities Education Act (IDEA) was initially passed in 1975 as P.L. 94-142. P.L. 94-142 has been amended many times since passing in 1975, most recently in 2004.

- **Section 508 of the Rehabilitation Act**
  29 U.S.C. § 794d

- **Assistive Technology Act of 1998, as amended in 2004**
  Public Law 105-394 [29 USC 2201]

- **Carl D. Perkins Vocational and Technical Education Act Amendments of 1998**
  Public Law 105-332 Section 1 (b) [20 USC 2302]

- **http://www.fctd.info/resources/techlaws.php**

Assistive Technology Laws

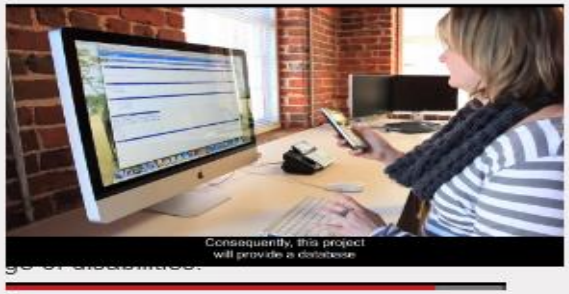
Family Center on Technology and Disability

- **Fair Housing Act Amendments of 1988**
  Public Law 100-430 [42 USC 3604]
- **The Hearing Aid Compatibility Act of 1988**
  Public Law 100-394 [47 USC 610 (b)]
- **The Television Decoder Circuitry Act of 1990, Section 3**
  Public Law 101-431 [47 USC 303 (u)].
- **Telecommunications Act of 1996**
  Public Law 104-104 [47 USC 255]
- **Federal Government Procurement of Accessible Information Technology**
  Public Law 105-220 section 408 [29 USC 794 (d)]
- **Workforce Investment Act of 1998!**
  Public Law 105-220 [29 USC 701]

- **http://www.fctd.info/resources/techlaws.php**

About AccessGA

AccessGA is a joint initiative of the Georgia State ADA Coordinator's Office, the Georgia Institute of Technology's AMAC Accessibility Solutions and Research Center, and The Georgia Technology Authority. AccessGA's purpose is to support Georgia state agencies with Information and Communication Technology (ICT) accessibility, promoting equal and timely access for employees and customers with a wide range of disabilities.



Support

For customer support, call 855-495-0374 or complete the request form. Consult the AccessGA Wiki for online support.

Email

Category Select a Category ...

Request

Submit Reset

Event Calendar

To view more information or to register for an upcoming event, please click on the name of the event.

No upcoming events scheduled

Accessibility Services

Assistive Technology
Document Content Remediation
Voluntary Product Accessibility Template (VPAT)

Agency Network

Administrative Office of the Courts
Board of Regents of the University System of Georgia

Resources

WAVE
WebAIM
Wiki

Consider this:

- Is your agency or organization, or ones you routinely use, producing accessible ICT? Website? Forms? Word documents? Manuals? PowerPoints? Excel forms?
- When you use contractors to develop websites or applications, are you requiring that they comply with WCAG guidelines?
- Be Aware: JAWS users may not see all of the problems on a website. JAWS is intelligent enough to self-correct certain accessibility flaws.

AT Act Moves from Department of Education to Health and Human Services

Moving from Information to Action

Evaluations for Learning Disabilities

- One to one assessment
- Comprehensive battery of tests
- Detailed report with recommendations for support in work and/or learning

- What did You learn in your LD Evaluation?
- Moving from Information to Action
  - Using your Evaluation results as an Action Plan for AT

Moving from Information to an AT Action Plan

Auditory Processing Disorder (APD)

- "Also known as Central Auditory Processing Disorder, this is a condition that adversely affects how sound that travels unimpeded through the ear is processed or interpreted by the brain. Individuals with **APD do not recognize subtle differences between sounds in words, even when the sounds are loud and clear enough to be heard.** They can also find it difficult to tell where sounds are coming from, to make sense of the order of sounds, or to block out competing background noises."

- What does this information tell us regarding our AT Action Plan?

http://ldaamerica.org/types-of-learning-disabilities/

Moving from Information to an AT Action Plan

Dyscalculia

- "A specific learning disability that affects a person's ability to understand numbers and learn math facts.
- Individuals with this type of LD may also have:
  - poor comprehension of math symbols,
  - may struggle with memorizing and organizing numbers,
  - have difficulty telling time, or
  - have trouble with counting."

- What does this information tell us regarding our AT Action Plan?

http://ldaamerica.org/types-of-learning-disabilities/

Moving from Information to an AT Action Plan

Dysgraphia

- "A specific learning disability that affects a person's handwriting ability and fine motor skills.
- Problems may include illegible:
  - handwriting,
  - inconsistent spacing,
  - poor spatial planning on paper,
  - poor spelling, and
  - difficulty composing writing as well as thinking and writing at the same time."

- What does this information tell us regarding our AT Action Plan?

http://ldaamerica.org/types-of-learning-disabilities/

Moving from Information to an AT Action Plan

Dyslexia

- A specific learning disability that affects reading and related language-based processing skills. Dyslexia is sometimes referred to as a Language-Based Learning Disability.
- The severity can differ in each individual but can affect:
  - reading
  - fluency,
  - decoding,
  - reading comprehension,
  - recall,
  - writing,
  - spelling, and
  - sometimes speech and can exist along with other related disorders.
- What does this information tell us regarding our AT Action Plan? http://ldaamerica.org/types-of-learning-disabilities/

Moving from Information to an AT Action Plan

Visual Perceptual/Visual Motor Deficit

- A disorder that affects the understanding of information that a person sees, or the ability to draw or copy. A characteristic seen in people with learning disabilities such as Dysgraphia or Non-verbal LD, it can result in:
  - missing subtle differences in shapes or printed letters,
  - losing place frequently,
  - struggles with cutting,
  - holding pencil too tightly, or
  - poor eye/hand coordination.
- What does this information tell us regarding our AT Action Plan?

http://ldaamerica.org/types-of-learning-disabilities/

Moving from Information to an AT Action Plan

Language Processing Disorder

- A specific type of Auditory Processing Disorder (APD) in which there is **difficulty attaching meaning to sound groups that form words, sentences and stories**. While an APD affects the interpretation of all sounds coming into the brain, a Language Processing Disorder (LPD) relates only to the processing of language. LPD can affect expressive language and/or receptive language.
- What does this information tell us regarding our AT Action Plan?

http://ldaamerica.org/types-of-learning-disabilities/

Moving from Information to an AT Action Plan

Non-Verbal Learning Disabilities

- "A disorder which is usually characterized by a significant discrepancy between higher verbal skills and weaker motor, visual-spatial and social skills. Typically, an individual with NLD (or NVLD) has trouble interpreting nonverbal cues like facial expressions or body language, and may have poor coordination."

- What does this information tell us regarding our AT Action Plan?

http://ldaamerica.org/types-of-learning-disabilities/

Moving from Information to an AT Action Plan

- What does this information tell us regarding our AT Action Plan?
- Avoid the temptation of a “cookie-cutter approach”
- Customize approach – No 2 individuals are the same. We all have different strengths and Abilities to build upon.

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Building a Firm Foundation for AT Success!

Guiding Principles

TIP: To be Successful –

- We need to move from Transactional Relationships to developing **Transformational** Relationships.

- We need to moved from Independent to **Intradependent**.

Discovering Personal Genius:

- A plan-full approach that reveals life themes;
- That presents a path of Discovery;
- That begs Investigation;
- That creates Options;
- That breeds Innovation & Success in personal, educational and career development

– Griffin - Hammis

Begin with the End in Mind!

Looking Back to See Forward…

In 1990, the internet was something used by fantasy baseball fanatics on CompuServe and mobile phones were the size of toddlers — a luxury for those who could afford to not use pay phones. Satellite TV meant having a massive dish on your property; millions struggled with programming their VCRs to tape L.A. Law; bills were paid by check... in the mail.

By Chris Morran

Emerging Trends

Knowledge transfer is the practical action of transferring knowledge from one organization to another. Like knowledge management, knowledge transfer seeks to organize, create, capture or distribute knowledge and ensure its availability for future users.

TIP: Universities & Colleges are becoming more agile and actively seeking avenues for Knowledge Transfer.

Wikipedia

Emerging Trends

To realize the potential of learning technology, Digital Promise will work with leading educators, researchers, technology firms, and entrepreneurs on three key challenges:

1) **Identifying breakthrough technologies**
2) **Learning faster what's working and what's not**
3) **Transforming the market for learning technologies**

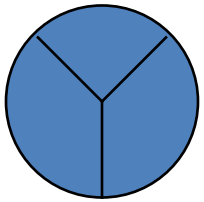
"Digital Promise" started Sept. 2011 – White House, Congress & DOE

For more information, go to: www.digitalpromise.org.

The "FAST" Track

- **Frustration**
- **Anxiety**
- **Stress**
- **Tension**

Human Activity Technology (HAAT) Model



- Human: represents the skills and abilities of the person with a disability
- Activity: a set of tasks to be performed by the person with a disability
- Context: the setting or social, cultural and physical contexts that surround the environment in which the activity must be completed
- Assistive Technology: devices or strategies used to bridge the gap between the person's abilities and the demands of the environment

- Developed by Cook & Hussey

The SETT Framework

S = Student/Skills

E = Environment

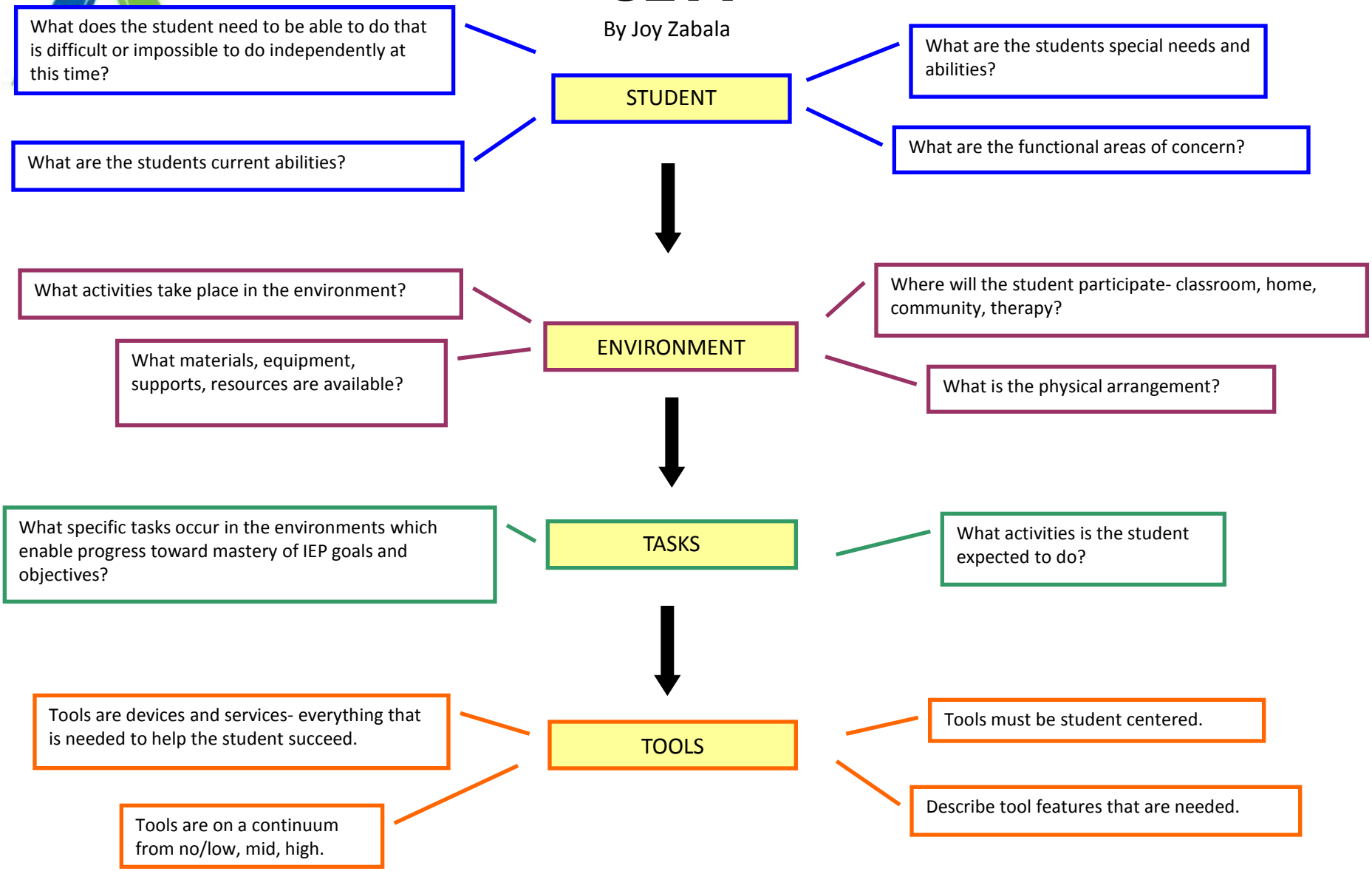
T = Tasks

T = Tools

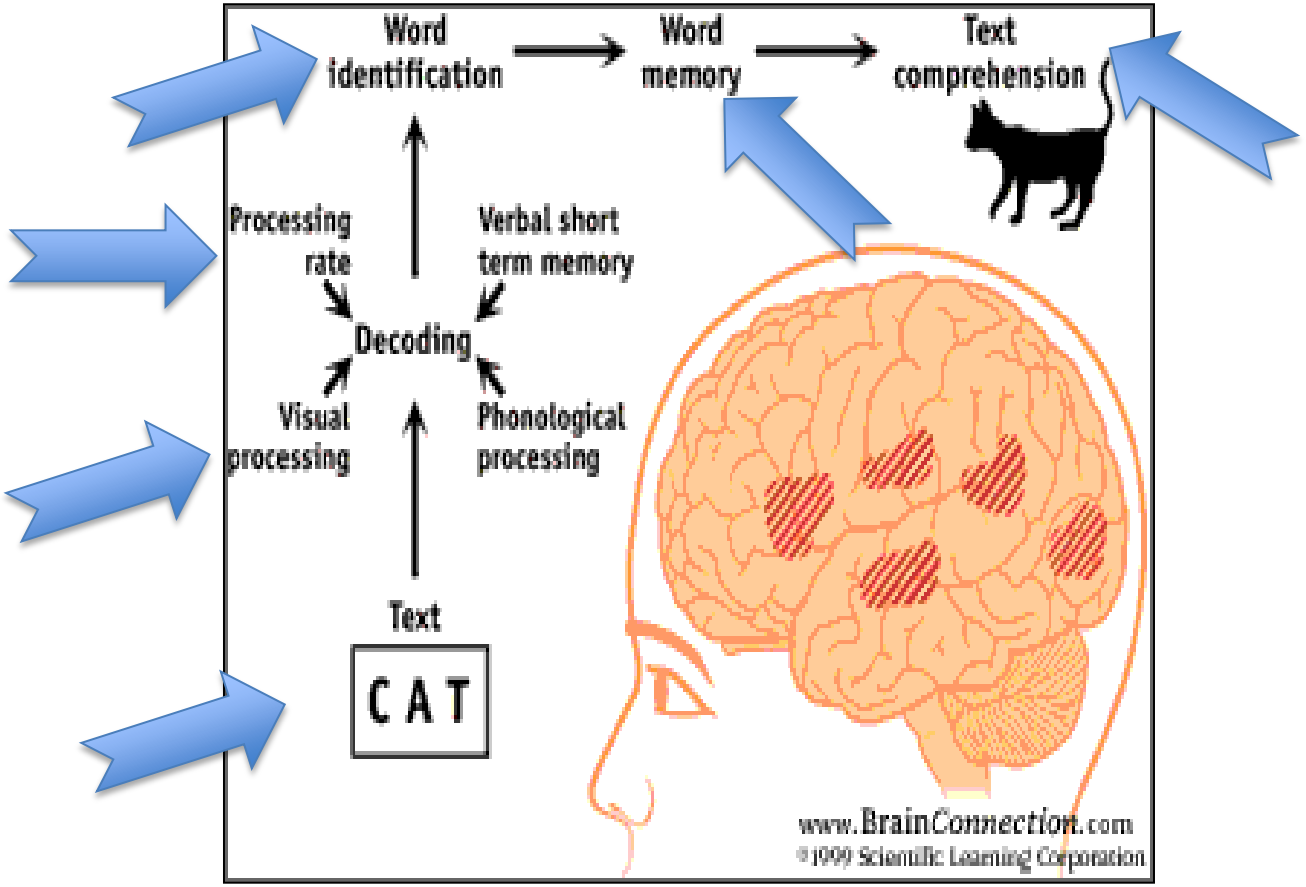
Adapted from Joy Zabala www.joyzabala.com

SETT

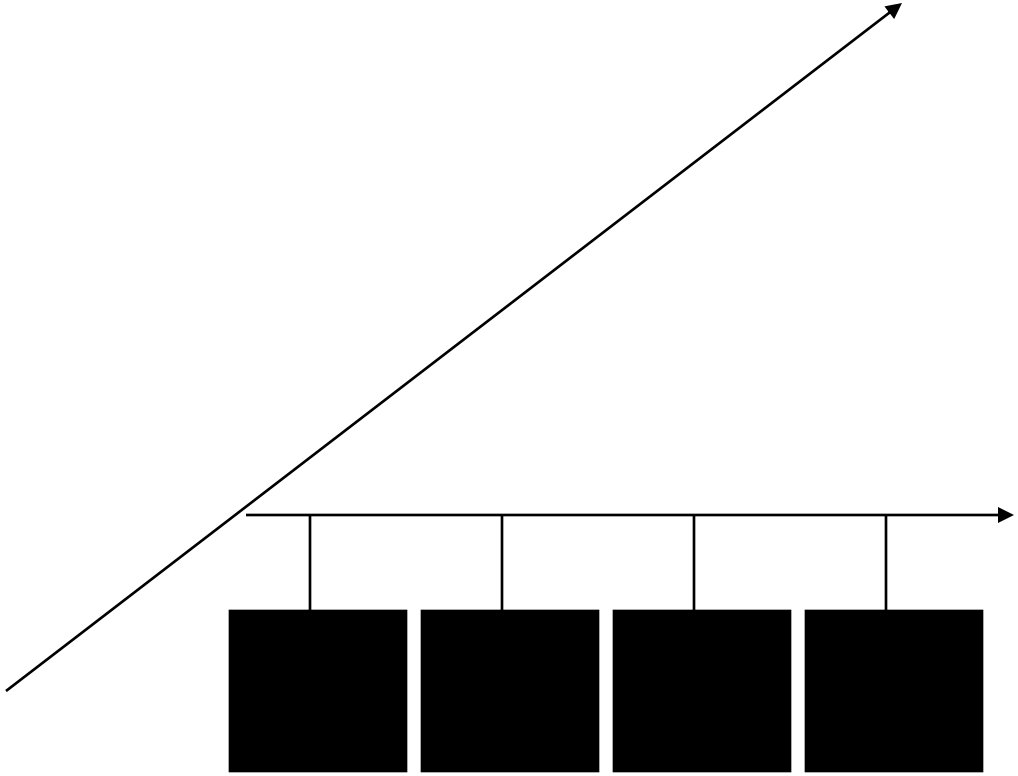
By Joy Zabala



Examples of Where and When Assistive Technology Can Support the Perception & Discrimination Process



Promoting Strengths & Managing Weaknesses & Stress!



TIP: Use Multi-modal Input Supports

- Communication breakdowns
- Reduce anxiety and behavioral meltdowns
- Teach functional skills
- Help with transitions
- Teach instruction, organization & expression
- Teach independence

- Lee & Phillips

Enhancing All of Life's Functions

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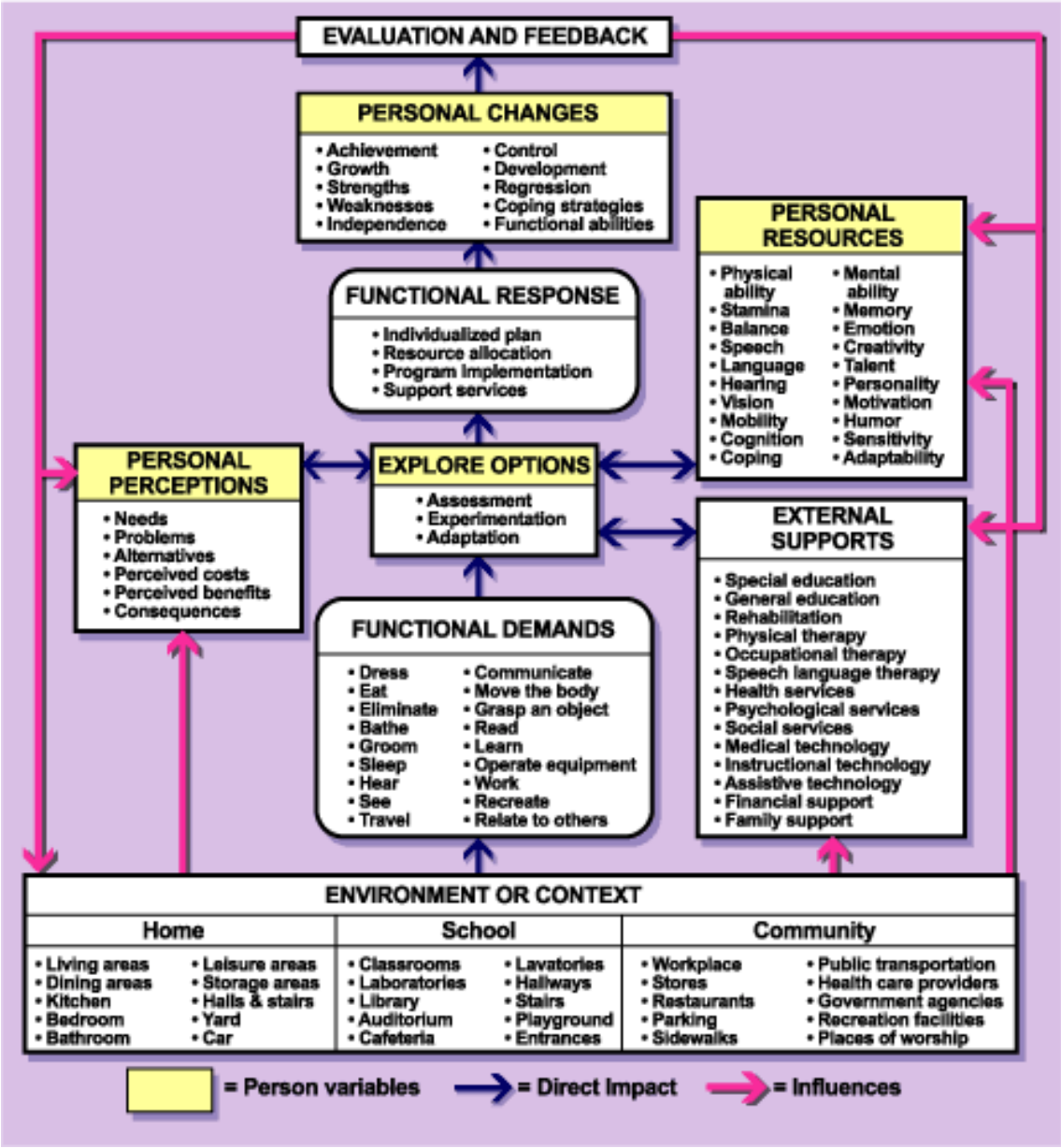
Considering AT:

- Identify Environments
- Determine the Functional Areas
- Select AT

- ***Dr. Cheryl Wissick and***
- ***Dr. Elizabeth Bagley***



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Exploring Assistive Technology Strategies and Solutions

- Try before you buy

Ergonomics

- Inhibits blood flow
- Creates muscle shortening
- Stresses back muscles and compresses spine
- Can inhibit learning
- Compresses diaphragm
  - Affects breathing
  - Voice quality

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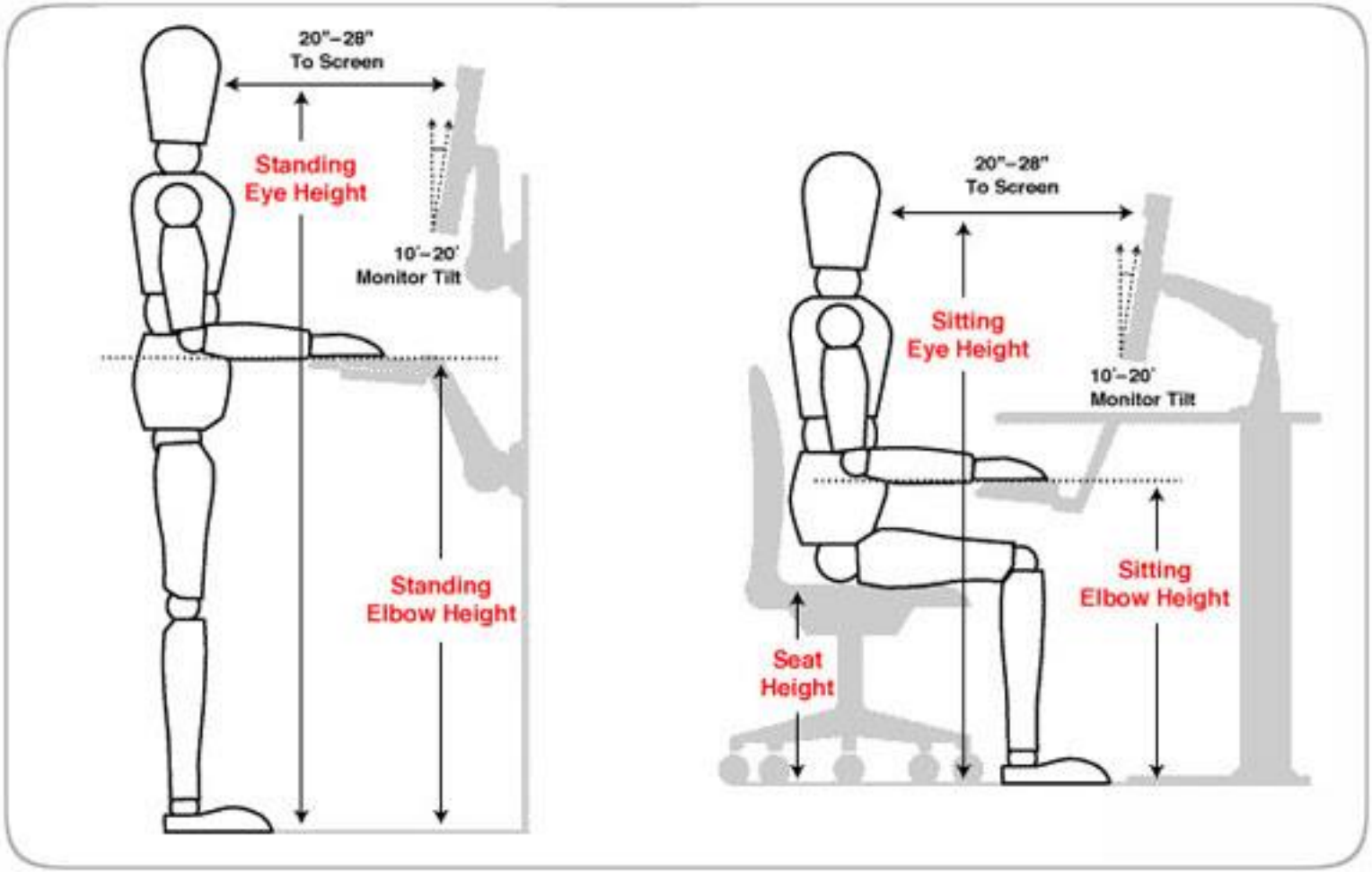
Ergonomics in the Classroom



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Know Your Tablets

Microsoft Surface

- Windows 10
- Slim and has a USB port
- Moveable Tiles
- Built-in Accessibility
  - Speech-to-text
  - Narrator
  - Magnifier
  - High contrast
- Thin pressure sensitive cover that doubles as a keyboard
- Starts at $499

Samsung Galaxy Tab 4

- Android System
- 7, 8, 10, 12 or 18” in screen
- Camera
- Micro card
- Wi-Fi
- USB for computer
- Some built-in accessibility app
  - Download others
- Starts at $149.99

Apple iPad Pro/Air/Mini

- Multi - touch screen
- Smart Keyboard with iPad Pro
- New iOS 9
- Millions of apps
- Surf web
- iTunes
- HD Video
- Organization
- Accessibility
- Books
- Photos
- Speakers
- 5.0 megapixel camera

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Accessibility for All

Tools for Life AppFinder

TFL AppFinder

Search by:

- ✓ **App Name**
- ✓ **Categories**
  - Book
  - Education
  - Environmental Adaptations
  - Hearing
  - Cognition, Learning, Developmental
  - Navigation
  - Personal Care and Safety
  - Productivity
  - Communication
  - Therapeutic Aids
  - Vision

Georgia Tech TOOLS for LIFE
Georgia's Assistive Technology Act Program

HOME | ASSISTIVE TECHNOLOGY | TFL NETWORK | CALENDAR OF EVENTS | Search our Site | Go

TRAINING

- View Presentations
- Request Training

FUNDING

- Resource & Assistance
- Dollars & Sense Database
- Online Equipment Exchange

RESOURCES

- TFL Newsletter

CONTACT US

- Meet the TFL Team
- Advisory Council
- Directions/Map
- Join our Mailing List

Welcome | AT Services | Try AT | Get AT | AT Guides | Research

Welcome to Tools for Life

Tools for Life, Georgia's Assistive Technology Act Program, is dedicated to increasing access to and acquisition of assistive technology (AT) devices and services for Georgians of all ages and disabilities so they can live, learn, work and play independently and with greater freedom in communities of their choice.

Tools for Life and the TFL Network work collaboratively together to accomplish our mission through:

- AT Demonstration
- AT Evaluations and Assessments
- AT Funding Options & Education
- Access to the TFL AT Lending Libraries
- AT & Durable Medical Equipment Reuse
- AT Training (Individual)
- AT Training (Groups)

2013 IDEAS CONFERENCE

2013 Institute Designed for Educating All Students Conference
June 3 - 6, 2013
Epworth by the Sea, St Simons Island

- Submit a Proposal
- Conference Website
- Exhibitor Details

WEBINARS

APR 18 — Free for All! Resources for Teachers and Students

APR 24 — Assistive Technology and Adapted Recreation: A Perfect Match

Current Webinar Schedule
Webinar Archives

APP FINDER

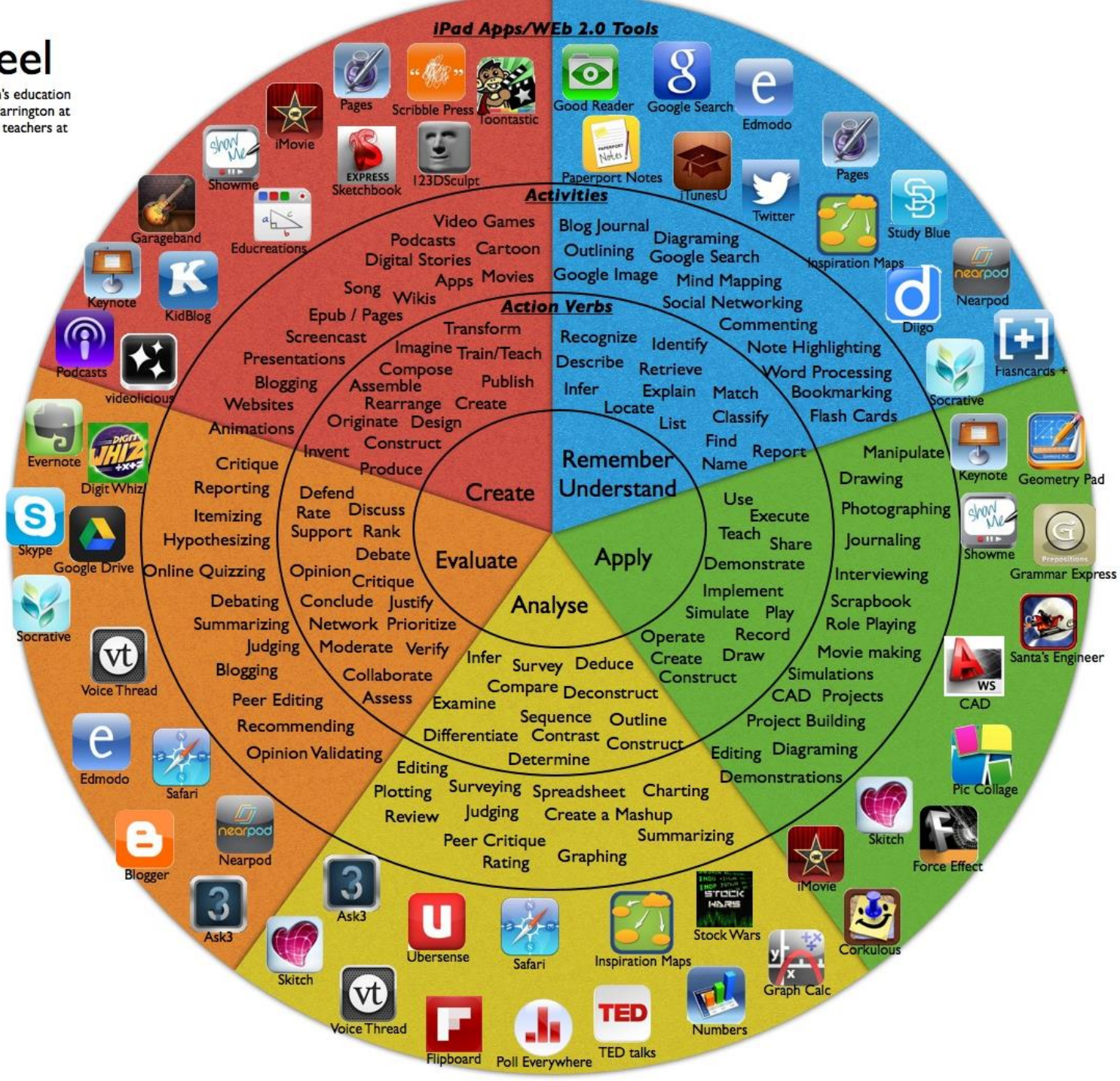
...Living, Learning, Working, and Playing.

AT ONLINE EXCHANGE

gTRADE gTRADE, Georgia's Online Equipment Exchange, encourages members to offer AT and DME for sale or donation to others who may benefit from using technology unneeded by others.

iPadagogy Wheel

Originally discovered on the website of Paul Hopkin's education consultancy site mmiweb.org.uk adopted by Allan Carrington at the University of Adelaide and further modified for teachers at Zeeland Public Schools.



Universal Design For Learning And Accommodations

http://at4kids.com/udl-and-apps-in-the-classroom

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http://www.schrockguide.net/bloomin-apps.html

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AT Solutions for Reading

Low Tech AT Solutions

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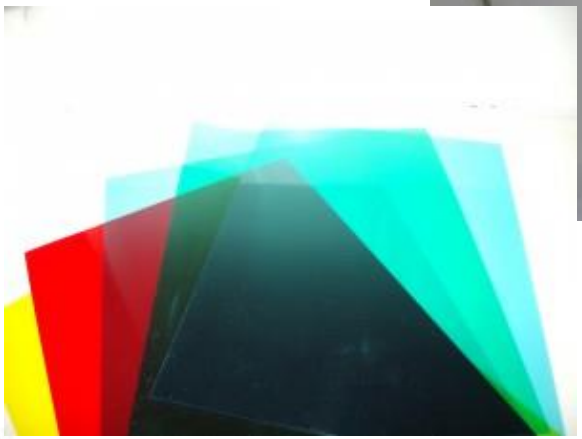
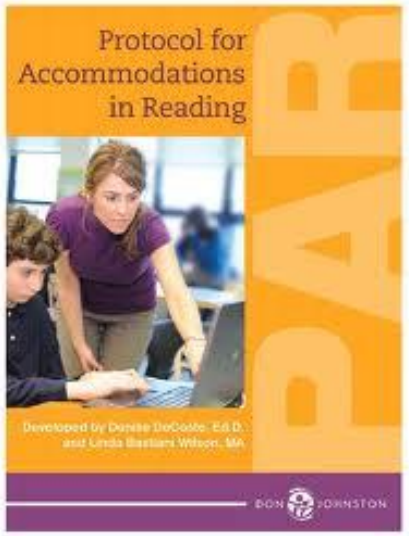


PAR: Protocol for Accommodations for Reading

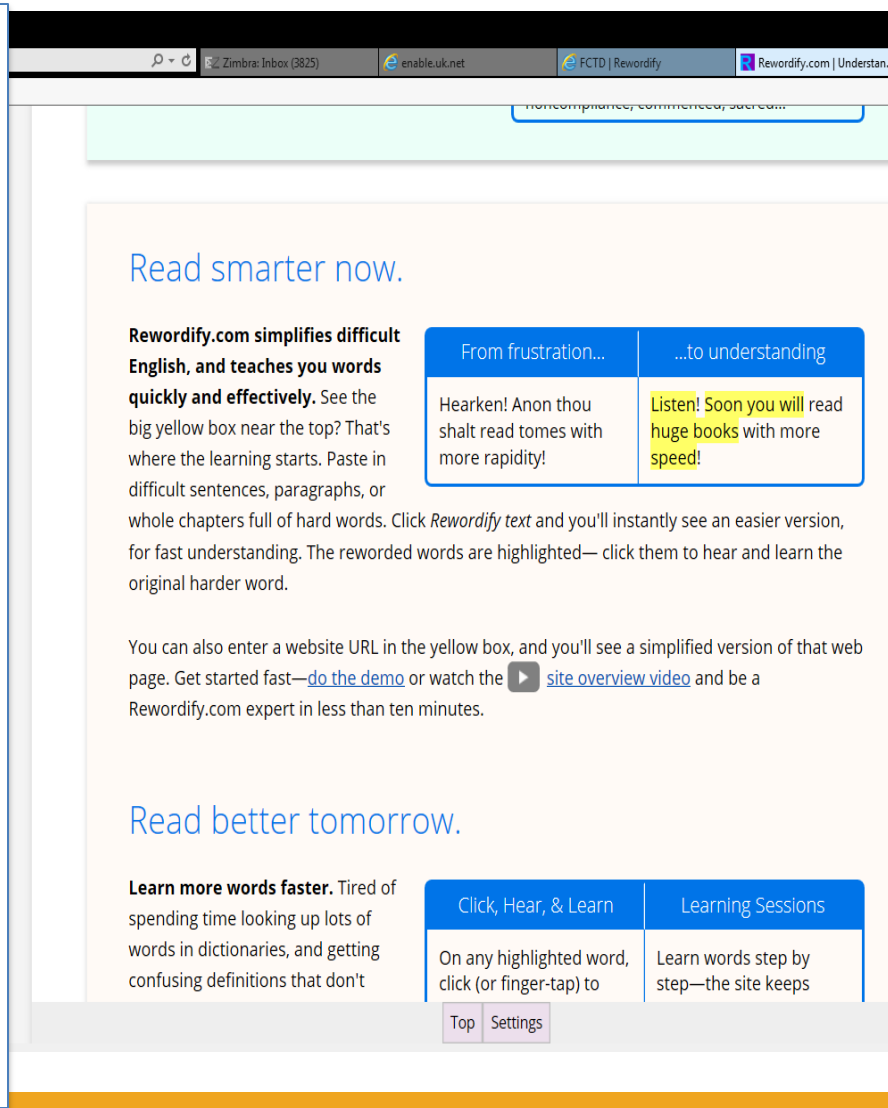
- Don Johnston
- Assist with accommodations for reading
- 3 Steps
  - 1) Student's Oral Reading
  - 2) Adult Reader
  - 3) Text Reader
- How did the student like?
- Help with adding in AT for reading solutions



Rewordify.com

"Rewordify is a free website that makes English easier to read. In some ways it is similar to a thesaurus, but allows users to enter not just single words, but entire sentences, pages, and even websites, for clarification. Passages are preferred, as difficult words are 'rewordified' using the context of the sentence. For example, paste in "The tempest raged outside while the throng huddled inside.", and it is 'rewordified' into, "the storm raged outside while the crowd huddled inside."

Students can use this tool to make passages more understandable. Simplified words are highlighted for quick comparison with the original word(s)."



Victor Reader Stream (new generation)

- Handheld media player by Humanware

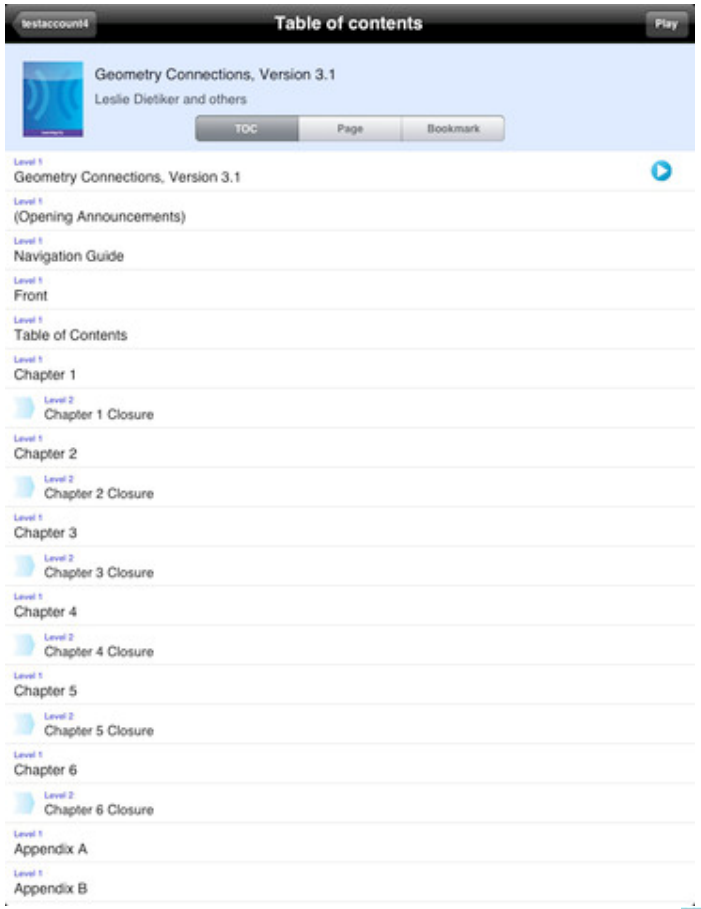
- Plays DAISY books, MP3, MP4, EPUB
- Records voice and media
- Two built-in, human-sounding voices
- Built-in wireless networking capability
- $369

Reading Pens

- Scans text,
- Hear it spoken aloud
- Obtains definitions and correct pronunciation within seconds
- Variety of types
  - Wizcom
  - C-Pen Reader
  - IRISPen
  - PenPower
  - Video Touch Pen by MoralRegion

Learning Ally

- Learning Ally
  - DAISY
  - Membership required
  - over 75,000 audiobooks, audio textbooks, and other recorded books
  - Free Trial



Bookshare

- Online Accessible Library
- Free membership to qualified students and schools
  - Textbooks if school is member
- 389,675 titles
- Serves individuals with:
  - Vision disabilities
  - Physical disabilities
  - Learning disabilities

Bookshare

Title, author or ISBN

Log in

Advanced Search Browse

Is Bookshare for Me? Get Started Get Involved Help Center My Bookshare

An Accessible Online Library
for people with print disabilities

Sign up today

More Accessible Titles, More Ways to Read

Open up the world of reading with Bookshare®

Recent News

Bookshare Celebrates Black History Month

Junia Howell Unlocks World of Knowledge

389,675 Titles and Counting!

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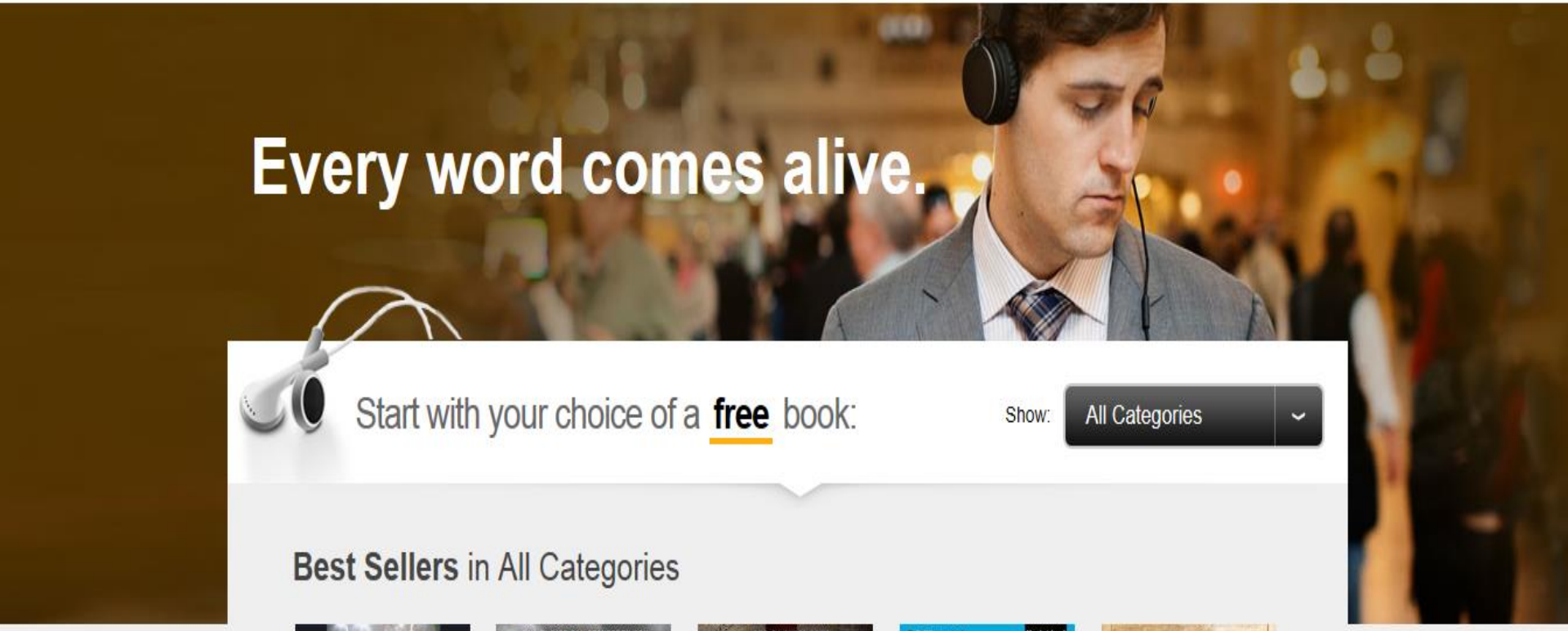
- Digital audiobooks
- Read by Hollywood stars, authors, and professional narrators
- Listen anywhere
- Over 180,000 titles
- Membership
  - $14.95/ month for one book

Call anytime (888) 283-5051 Sign In

audible an amazon company

How it Works About Membership

Search for a great book

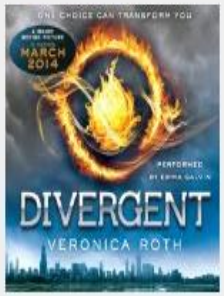


Start with your choice of a **free** book:

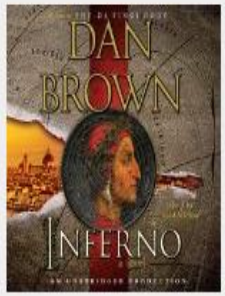
Show: All Categories

Best Sellers in All Categories

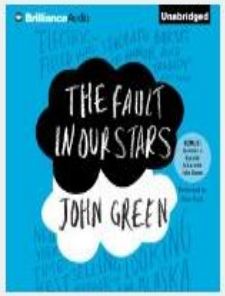
The Cuckoo's Calling



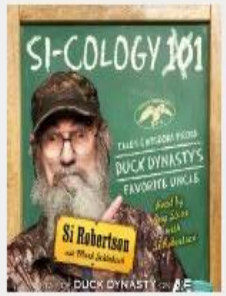
Divergent



Inferno: A Novel



The Fault in Our Stars



Si-cology 1: Tales and Wisdom from ...

Customer Favorites in All Categories

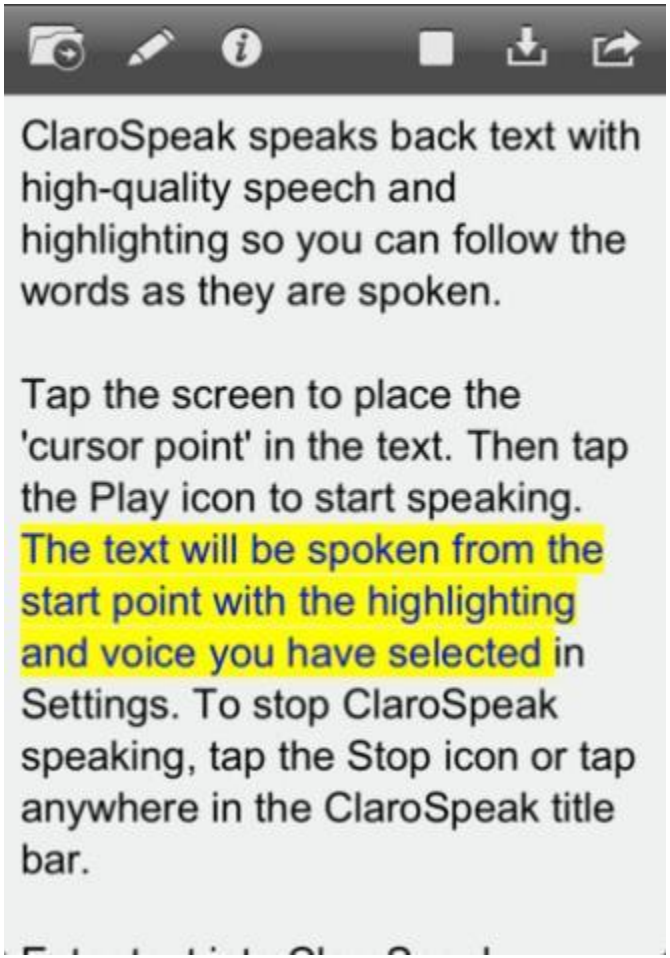
Mobile Tablets/ eReaders

- What do I need?
- Does it read out loud?
- Do I need Apps?
- Change colors?
- Change line spacing?
- Textbooks?
- Fun Reading?

AMAC
Accessibility for All

Reading Software

ClaroSpeak US



- Text-to-Speech
  - import documents and PDFs into ClaroSpeak from apps such as Mail, or import PDF, Word, Pages and other files directly from Dropbox using
- Change font and color
- Save text as an audio file
- Visual Tracking
- Send Text

ClaroRead

- Reads text as it highlights
- Moveable tool bar
- Can read doc, PDFs, internet, and more
- 7.0
  - Add audio notes
  - Save as mp3 file
  - Save as video

- Can change highlighting colors
- www.claroread.com

AMAC
Accessibility for All

Reading & Writing Software Solutions

Kurzweil 3000

- Text-to-Speech software
- Helps improve reading speed and comprehension
- Note taking capabilities
  - Different color highlighters
- firefly
  - Access many features of Kurzweil through the internet
  - firefly demo
- Free download trial
  - www.kurzweiledu.com
  - Kurzweil 3000 Demo

TextHelp

- Text-to- Speech software
- Helps improves reading skills
- Built in text and picture dictionaries
- Study skills highlighter

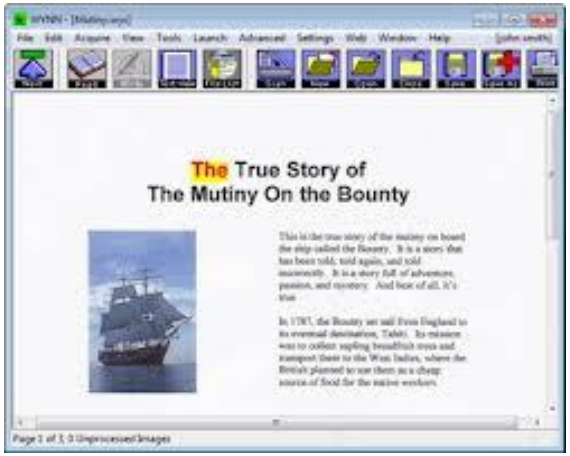
- Has a Google Chrom version
- www.texthelp.com

textHELP
Literacy ■ Language ■ Learning

WYNN

- What You Need Now
- Freedom Scientific
- Scanning and Reading software
- Highlights text as spoken
- Icon friendly
- Built in study tools

- Internet Features



Writing Software Solutions

Low Tech Solutions

Writing Solutions:

– “The Penagain takes a novel ergonomic approach to ink pen design. The body of the pen is shaped like a "Y" creating a cradle for the index finger to rest in.” http://ergonomics.about.com/od/buyingguide/fr/frpenagain.htm

– Wide barrel pens can make it easier for some people to write due to their contoured shape. With a Fat Ergonomic Pen there’s more surface area to grip which makes it easier to write.

Low Tech Solutions

- Built up grips
  - Variety
  - Create your own using tennis balls
- Larger / thicker pencils
- Electronic Spellers
  - Franklin Spellers

Live Scribe Pen

- Records what it hears and what you write
- Uses specific paper for playback
- Connects to computer by USB for saving
- Tap on note and playback from there
- Jump forward and back in notes
- Dictionary
- Translation Apps
- Purchase Apps online
- Demo

AMAC
Accessibility for All

Voice Input Solutions

Speech Recognition Software

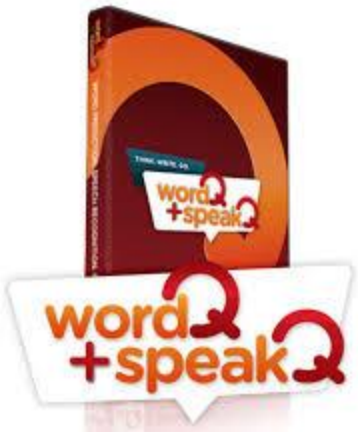
- Turn spoken words into text
- Connect with the timing of your thoughts
- Dictation speed 70 to 100 words per minute

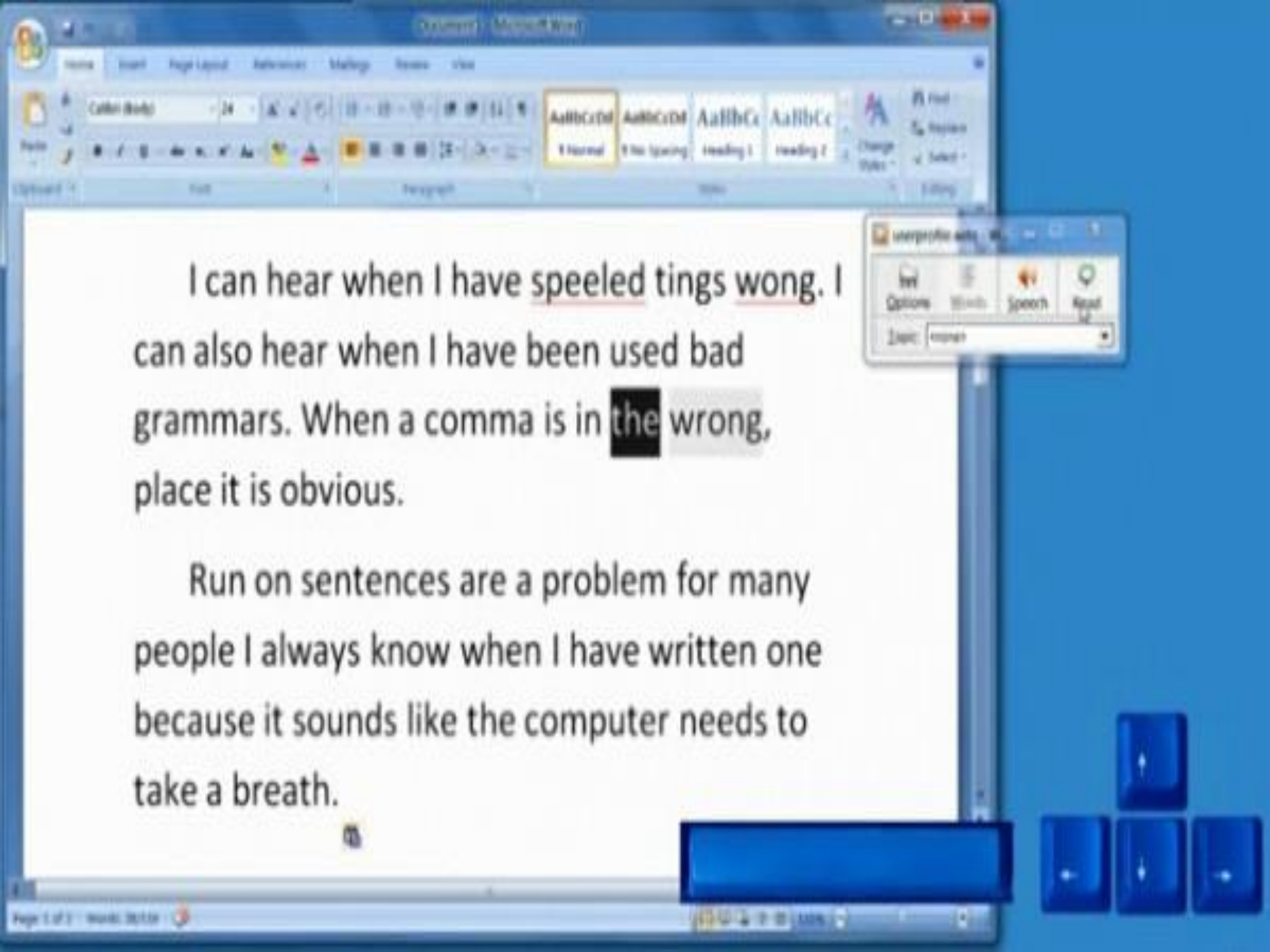
Word Q/ Speech Q

- Software that has built-in word prediction
- Suggests words
- Spoken feedback to hear what was written
- Speech Q is a plugin for Speech Recognition

- 30 day free trial

http://www.goqsoftware.com/trial/




I can hear when I have speeled tings wong. I can also hear when I have been used bad grammars. When a comma is in the wrong, place it is obvious.
Run on sentences are a problem for many people I always know when I have written one because it sounds like the computer needs to take a breath.

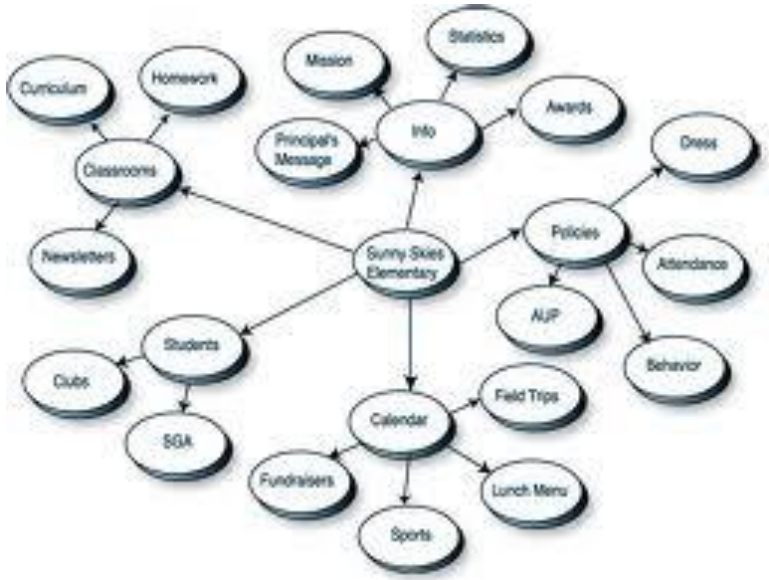
Ginger

- Online grammar and spell checker
- Can see corrections as you type or use Ginger Proofreader to scan the entire document for mistakes
- Will read corrections out loud
- Has a mobile Android, iOS and Windows
- Works inside Word and emails
- Text to Speech
  - Read emails and docs
  - Can choose voice and accent
- Ginger Demo

Inspiration

- Mind Mapping software
- Allows User to “connect” ideas together
- Add in pictures and hyperlinks
- Can produce an outline form

- Better organization of essays
- $27.96
- App $9.99


Statistics
Mission
Curriculum
Homework
Awards
Info
Principal's Message
Classrooms
Dress
Policies
Newsletters
Sunny Skies Elementary
Attendance
AUP
Students
Clubs
Behavior
Field Trips
Calendar
SGA
Fundraisers
Lunch Menu
Sports

Memory & Cognitive Supports

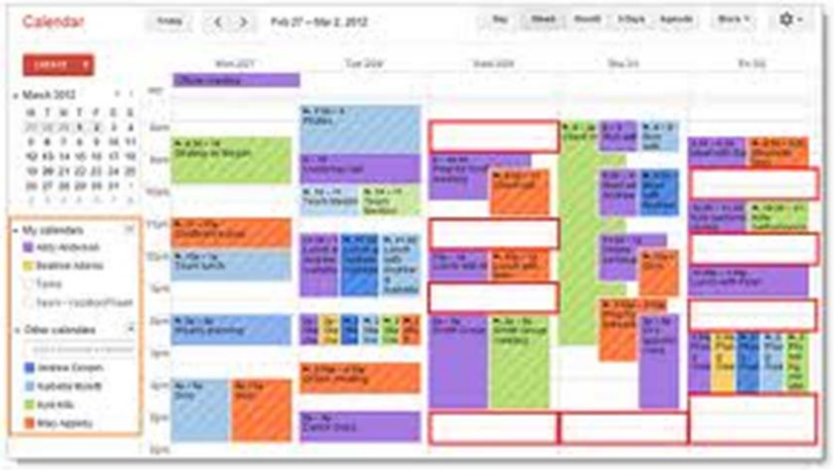
- Calendar & Reminder Software

- Friendly Interface Layout

vs.

Google Calendar

- Color Code items
- Share Calendars
- Access across multiple platforms
- Customize Notifications
  - SMS Text
  - Emails
  - Popups
- Multiple ways to view
  - Daily
  - Weekly
  - Monthly



What's New In AT and the AT Community:

- Perhaps, Where We Are Going

Emerging Trends

Knowledge transfer is the practical action of transferring knowledge from one organization to another. Like knowledge management, knowledge transfer seeks to organize, create, capture or distribute knowledge and ensure its availability for future users.

TIP: Universities & Colleges are becoming more agile and actively seeking avenues for Knowledge Transfer.

Wikipedia

Future

- Evening out the playing field
- More schools Bring Your Own Technology
- The Future is Contextual
  - GPS apps
  - Ads on Internet
  - Smart watches

- *Martha Rust*

Apple Watch

- Receive Calls and texts
  - “Inner Circle”
- Apps
- Can be used for fitness
  - Heart Rate Monitor
  - GPS
  - Accelerometer
- “Hey Siri”
- Haptic feed back
- Calendar
- $499

FitBit

- Fitness tracker
- Variety of styles and colors
- Track Activity
- Track Food
- Track Sleep
- Track Heart rate
- Works with other Apps
- New Smartwatch

Microsoft Band

- Works across all platforms
- Receives calls and texts
- Uses Cortana
- Keep tracks of steps
- Keeps track of Sleep
- Keeps track of UV
- Keeps track of heart rate
- Choose apps
  - Facebook
- $199

Moto 360 by Motorola

- Runs Android Wear, Google's operating system for smartwatches.

Mobile Payment Applications

- Looking forward towards my transition to college, I realized that I would need a way to easily pay for things at stores without having to handle physical money or credit cards.
- I began researching mobile payment applications that utilize Near Field Communication (NFC) technology.
- NFC technology allows users to pay for things by simply typing in a PIN number or scanning their fingerprint and holding the back of their phone up to a credit card terminal that accepts NFC.

Mobile Payment Applications

- Examples of these applications include:
  - Google Wallet (for Android, will be replaced by Android Pay soon)
  - Apple Pay (for iPhone 6, iPhone 6 Plus, & Apple Watch)
- Paying with NFC is A LOT more secure than paying with a normal credit card.
- In the future, I hope to see more stores accept NFC as a payment method and to see NFC technology included in more wearable devices.

T. Jacket

- Wearable technology vest
  - Provides customizable deep touch pressure
    - Uses adjustable air pressure compression controlled via smartphone app
    - http://www.mytjacket.com/

Amazon Echo

- Speech-controlled speaker system
- Voice recognition - further distances
- Timers, news, information
- Invitation only
- $199, $99 Prime members

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Science News

... from universities, journals, and other research organizations

E-Readers Can Make Reading Easier for Those With Dyslexia

Sep. 18, 2013 — As e-readers grow in popularity as convenient alternatives to traditional books, researchers at the Smithsonian have found that convenience may not be their only benefit. The team discovered that when e-readers are set up to display only a few words per line, some people with dyslexia can read more easily, quickly and with greater comprehension. Their findings are published in the Sept. 18 issue of the journal *PLOS ONE*.

In the paper condition students read passages from the Gates-MacGinitie Reading Tests and answered multiple choice questions as shown. In the iPod condition the reading passage was displayed on the iPod (scrolled vertically using a finger on the

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An element in many cases of dyslexia is called a visual attention deficit. It is marked by an inability to concentrate on letters within words or words within lines of text. Another element is known as visual crowding--the failure to recognize

Interes
read Sc

Just In:
Triclosar

Social

Follow S
and Goo

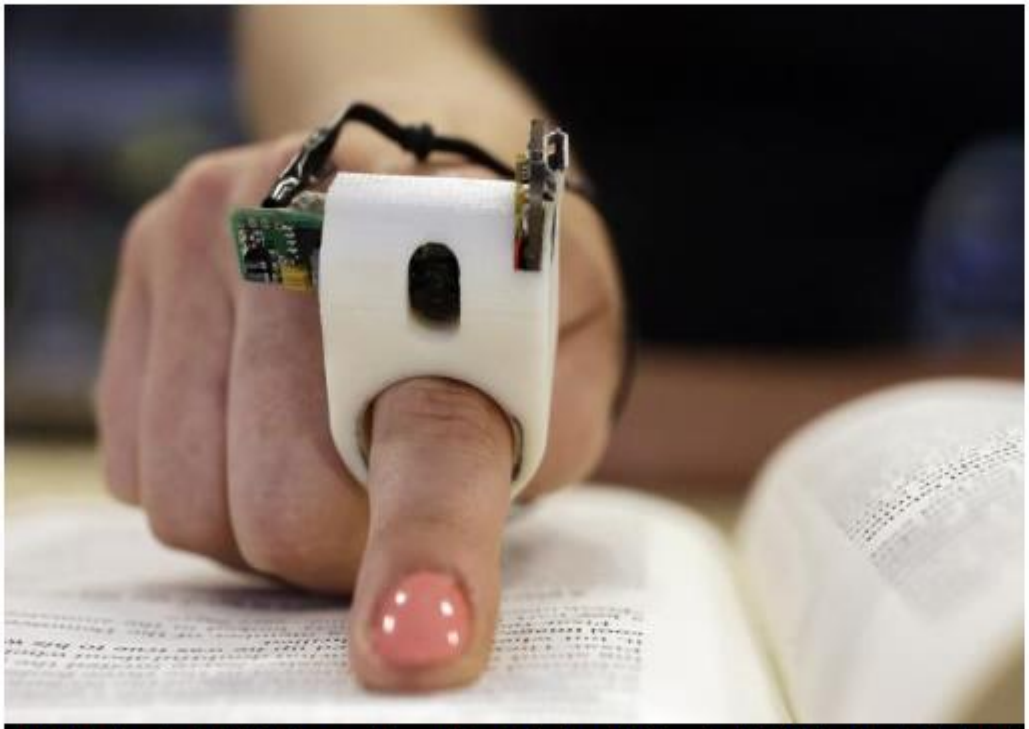
Face

Recomm
and Goo

Like

Other so

MIT Finger Device Reads to the Blind in Real Time



In this Thursday, June 26, 2014 photo, a model wears a FingerReader ring at the Massachusetts Institute of Technology's Media Lab in Cambridge, Mass. Researchers designed and developed the instrument, which enables people with visual disabilities to read text printed on paper or electronic devices. (AP Photo/Stephan Savoia) AP

By RODRIQUE NGOWI
Associated Press

JULY 8, 2014 1:24 AM

Success with Assistive Technology and Advocacy begins with the Individual

- Get to Know Yourself
- Build your self-advocacy and Advocacy Skills
- Plan for Your Success – in school, work, Life!
- Explore & USE Assistive Technology that can Help You
- Begin with the End in Mind
- Be able to tell Your Story
- Listen & Learn
- Try – Fail & Try again…
- Evaluate and Evolve
- Laugh Much!
- Celebrate your Successes! Success Breeds Success.
- AND Visit Us at the AT Lab!

Additional Resources

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

WrightsLaw
http://www.wrightslaw.com

National Disability Rights Network
http://www.napas.org/

A Guide to Disability Rights Law – U.S. Department of Justice
http://www.usdoj.gov/crt/ada/cguide.htm

American Association of People with Disabilities
http://www.aapd-dc.org/

Consortium for Citizens with Disabilities
http://www.c-c-d.org/

Many states have their own Disability Law or Protection and Advocacy Organizations. Links to these sites can be found on the Family Center on Technology and Disability's Website under Member Organizations.

AMAC
Accessibility for All

My Question to You:
What have You Learned today?

TOOLS for LIFE
Georgia's Assistive Technology Act Program

TOOLS for LIFE

Georgia's Assistive Technology Act Program

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Disclaimer: Produced by Tools for Life (TFL), which is a result of the Assistive Technology Act of 1998, as amended in 2004. TFL is a program of the Georgia Institute of Technology, College of Design, AMAC Accessibility Solutions and Research Center and was made possible by Grant Number H224C030009 from the Administration for Community Living. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of HHS.