



# **Moving from Information to Action: Considering Assistive Technology**

Martha Rust, Sam Peters, Asha Kumar & Carolyn Phillips, Tools for Life  
*With contributions from Christopher Lee, Liz Persaud & Ben Jacobs & Ben Satterfield*

[www.gatfl.org](http://www.gatfl.org)

*For Handouts: <http://www.gatfl.gatech.edu/tflwiki>*

2016  
DeKalb County

[www.amacusg.org](http://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:

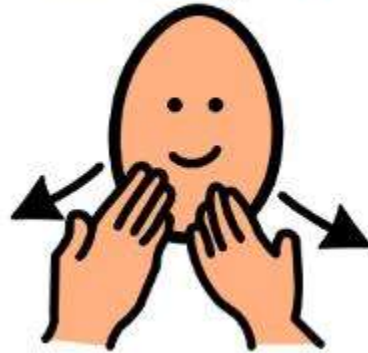
- AMAC | Tools for Life – AT Act Program
- Moving from Evaluation into Action Plan
- Understanding Assistive Technology
- Using “Low/Light Tech” to inform “Mid/High Tech Solutions”
- Trends to Watch
- where we are and perhaps, where we are going.

...all in 120 minutes!

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



thank you



# Welcome!

**We are Glad You are Here!**

**Seize this Opportunity –  
Explore & Ask**

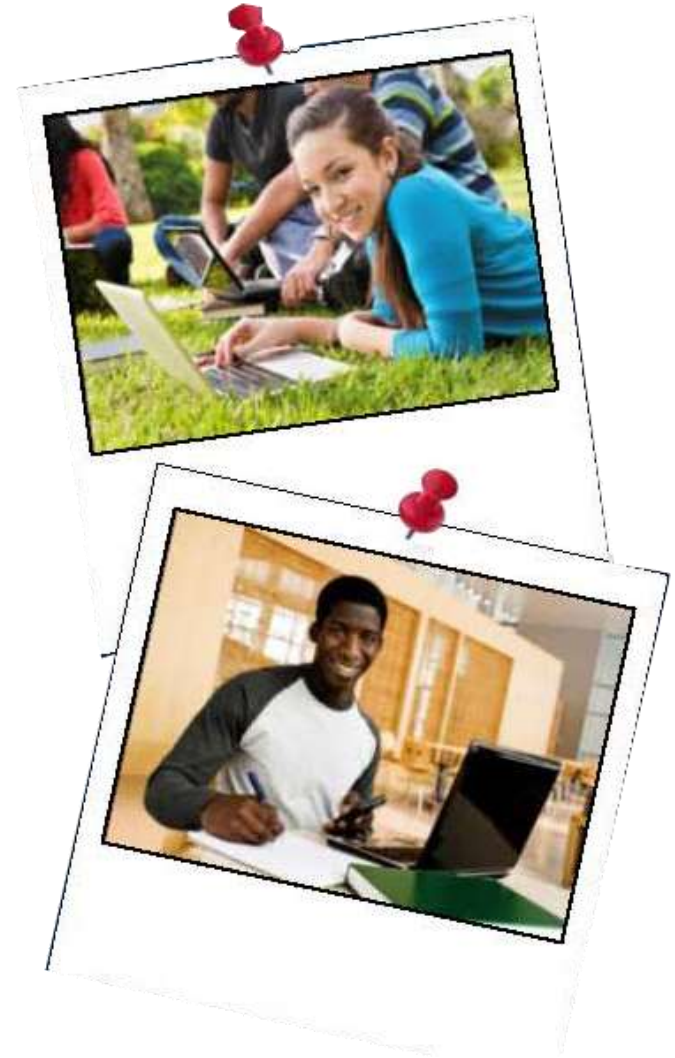
# Statistics to Munch On

- 14% of People with disAbilities are fully employed. PayDay!
- 16% of People with disAbilities are underemployed. Snickers!
- 70% are unemployed or out of the work force entirely. Kiss!
- Adults with disAbilities work fewer hours –command lower wages, and earn less annually.
  - Their median annual earnings are only 58.1% of the median earnings of those not having disabilities.

» *As reported by NFI – President Bush*

# 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](http://www.amacusg.org)

1



# AT Acquisition!



- Tools for Life endeavors to break down the barriers which prevent individuals with disabilities, their families, and service providers from acquiring and effectively using Assistive Technologies to gain greater independence.
- To insure that AT products are available to Georgians with disabilities
- Eliminate Funding Barriers

# AT Funding Solutions



## Dollars & Sense

- Web-based Funding Guide
- A resource for locating funding sources for AT devices and services.



## gTrade

- Free resource for finding and exchanging assistive technology (AT) devices online
- Place an ad requesting items for sale, donation, or needed



## Credit Able, Georgia's Alternative Financing Program

- Purchase assistive technology equipment and services



# Find Your Favorite Apps



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

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

TRAINING  
FUNDING  
PUBLICATIONS  
TFL WIKI  
MEET THE TFL TEAM  
MEET THE ADVISORY COUNCIL  
DIRECTIONS/MAP  
JOIN OUR MAILING LIST  
SCHEDULE A TOUR

Welcome AT Services Try AT Get AT AT Guides Research

## Learn More about AT through Hands-On Demonstrations

• • • • •

**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:

**IDEAS CONFERENCE**

**JUN 2** Epworth by the Sea, St Simons Island

**WEBINARS**

**MAY 28** [Georgia's Leadership Model for Increasing Accessible ICT in State Government](#)

**JUN 25** [Learn More and Do More: Exploring Accessibility and Apps for Android](#)

**JUL 30** [Position for Work: A Closer Look at Workplace Accommodations & Assessments](#)

[Current Webinar Schedule](#)  
[Webinar Archives](#)

**TOOLS FOR LIFE APPFINDER**



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

**AT ONLINE EXCHANGE**





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# Tools for Life 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



# 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.**



# The Neurology of My Brain

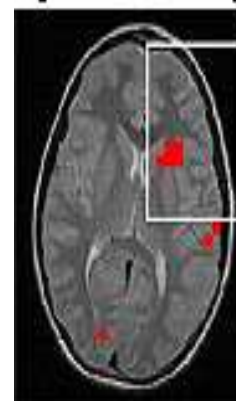
The “rate” at which you learn will become the only sustainable competition advantage you’ll have in your life.

- Peter Senge

- Visual Perception & Discrimination
- Auditory Perception & Discrimination



Dyslexic Example



←  
Left  
Anterior

Control Example



←  
Left  
Anterior

# 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 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?



# 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?



# **Moving from Information to an AT Action Plan**

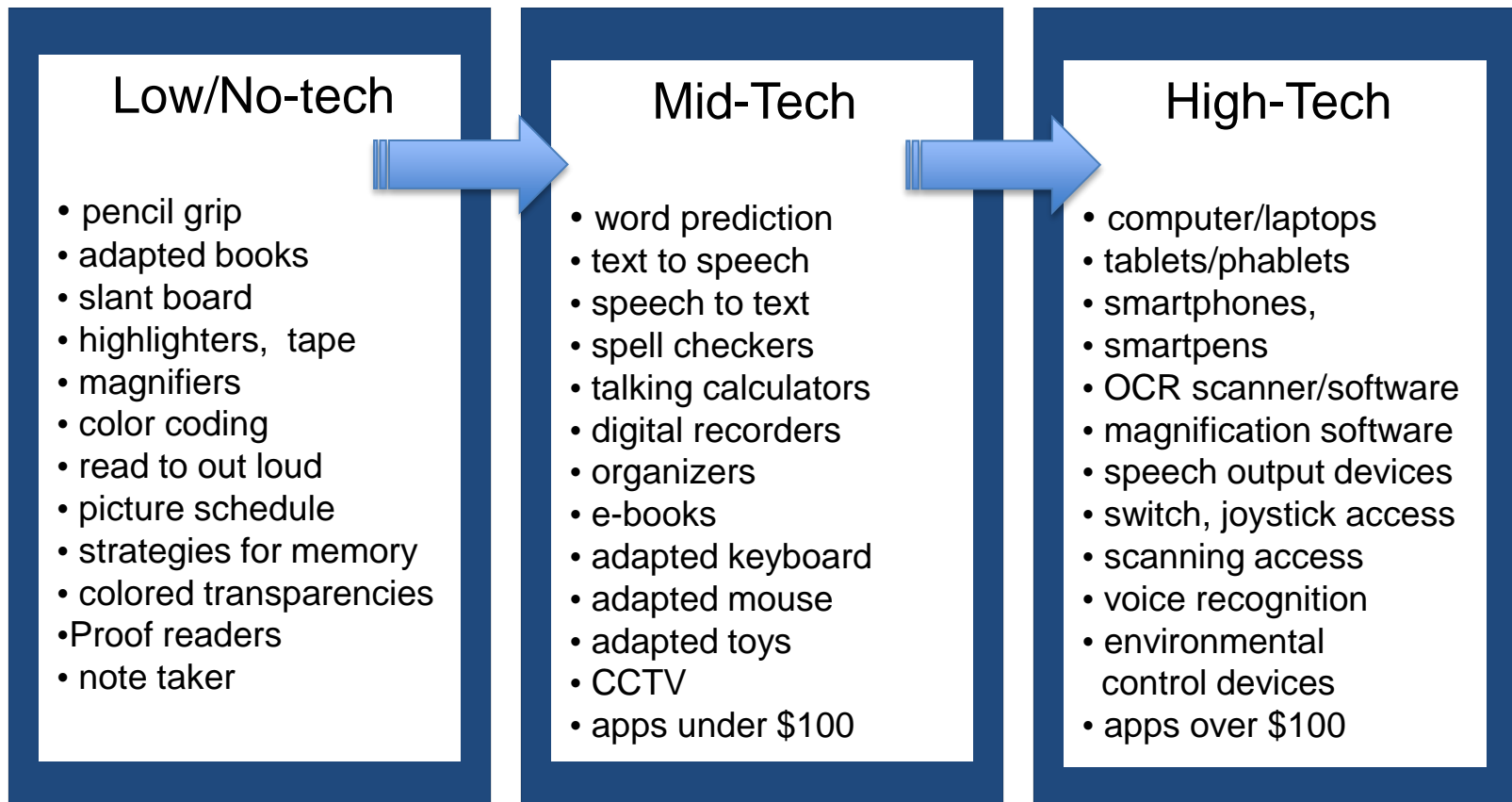
- What does this information tell us regarding our AT Action Plan?
- Avoid the temptation of a “cookie-cutter approach”
- Customize approach – No 2 individuals are the same. We all have different strengths and Abilities to build upon.

# Considering No/Low Tech to High Tech



## Observations & “Hanging out with Intent”

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



# Universal Design for Learning Implementation



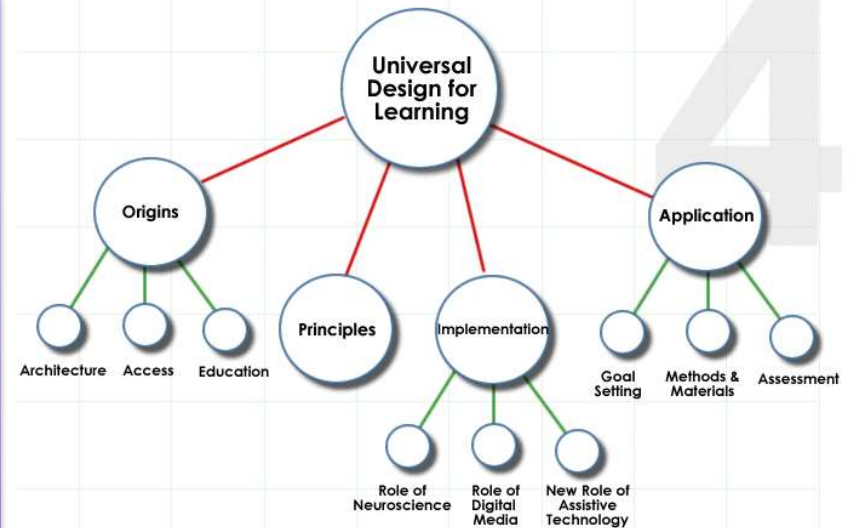
Role of  
Neuroscience



Role of Digital  
Media



New Role of  
Assistive  
Technology





# What is an AT Service?

## 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]

# 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

# The SETT Framework

**S = Student/Skills**

**E = Environment**

**T = Tasks**

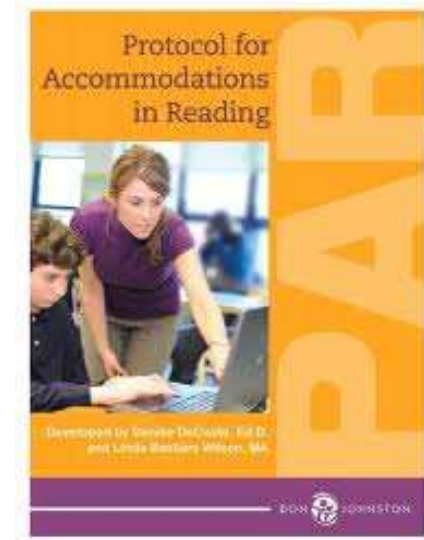
**T = Tools**



Adapted from Joy Zabala [www.joyzabala.com](http://www.joyzabala.com)

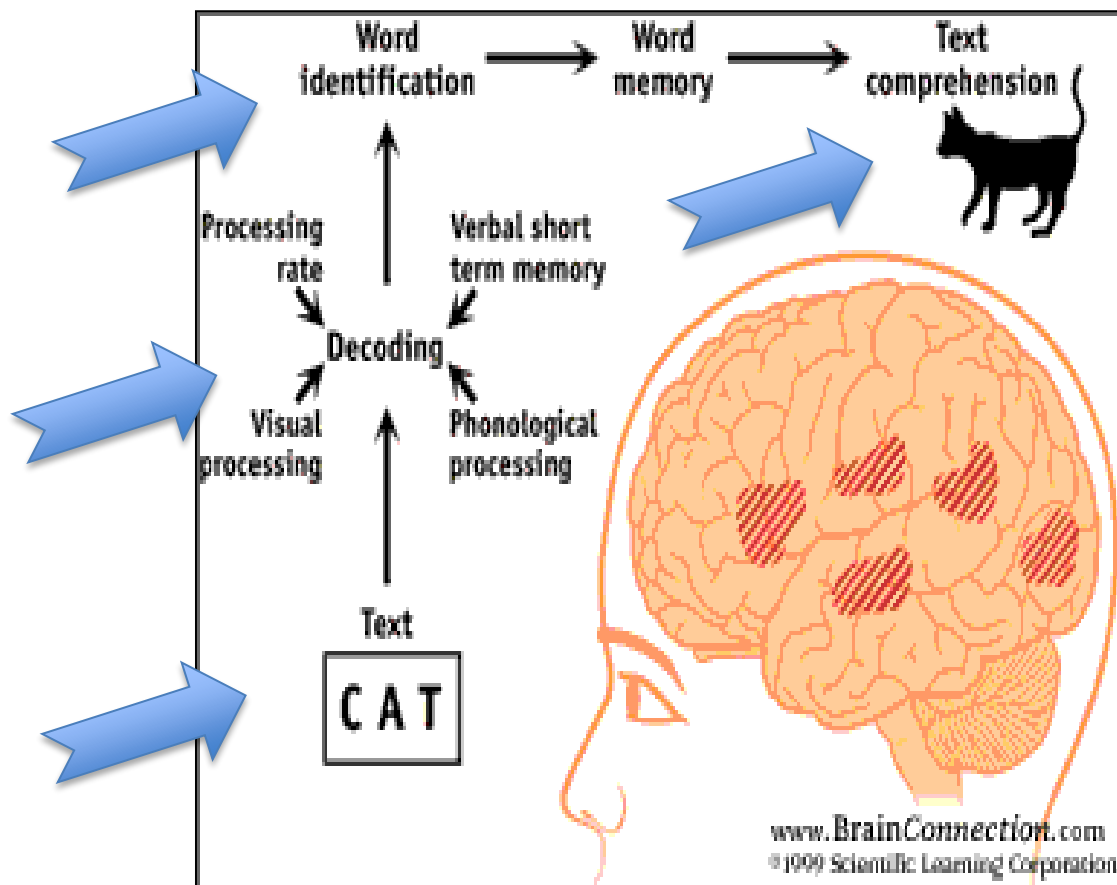
# PAR: Protocol for Accommodations for Reading

- 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



# AT Helps!

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





# The “FAST” Track

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

# Low Tech AT Solutions

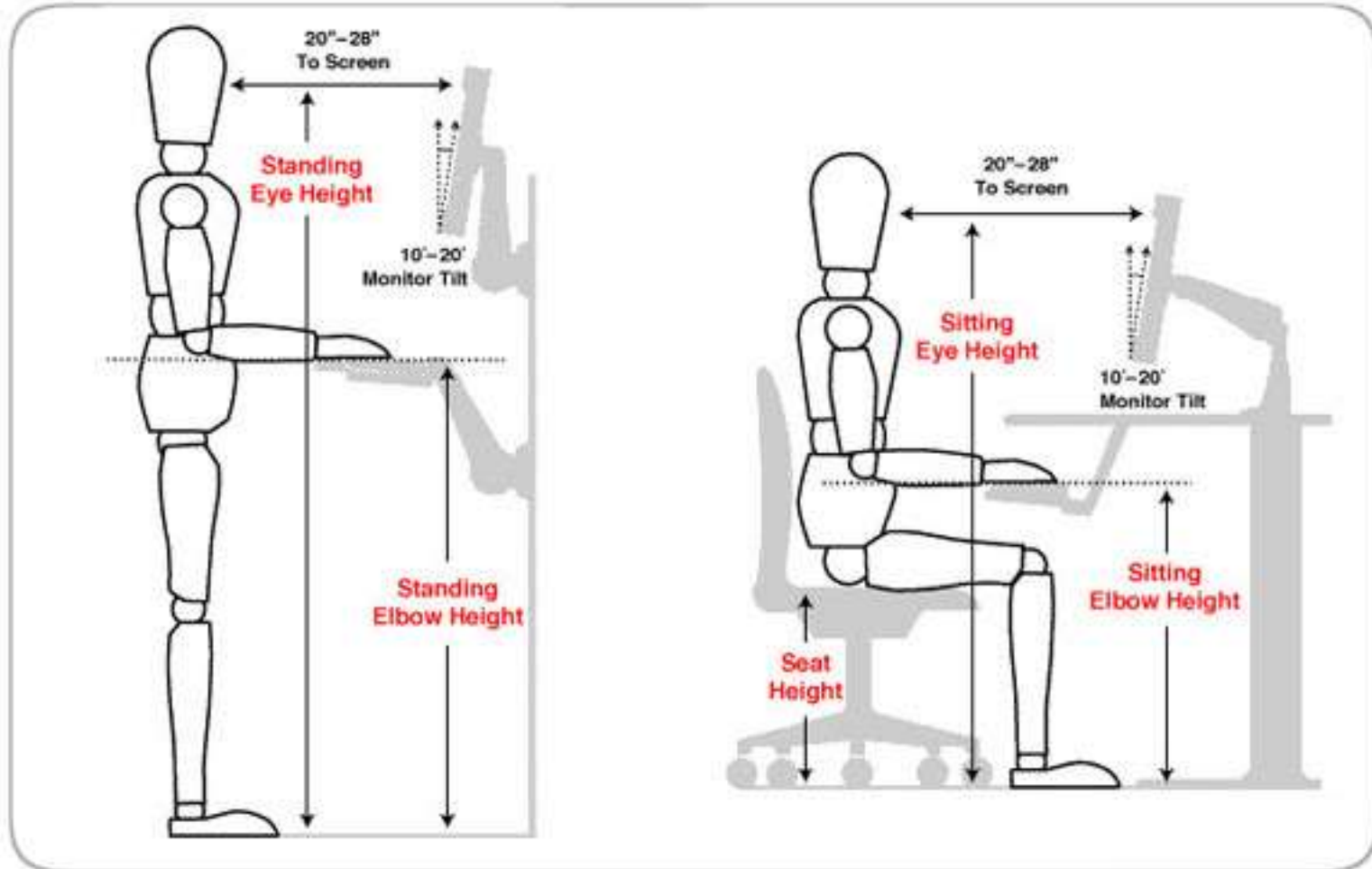


# Ergonomics

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



# Ergonomics in the Classroom



# Lumo Lift

- Lumo for back and head/shoulders
- Sends gentle vibration alert when posture needs to be corrected



# Modifications to the environment



- Provide natural light or therapy lamps
  - Simulate outdoor lighting
  - Many options...make sure designed for SAD
  - Light box should emit reduced UV light
  - Brightness will affect hours of use; consult healthcare provider for hours of use
  - Recommended distance 2 feet from user

Source: mayoclinic.org

# **Modifications to the work environment**

- **Provide private office or work area with limited distractions/low traffic area**
- **Noise reducing headsets/ noise reduction ear muffs**
  - **Can decrease help to reduce stress and improve concentration**
  - **Can also reduce ambient noise at night and help with sleep**



# **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



# Products and Services



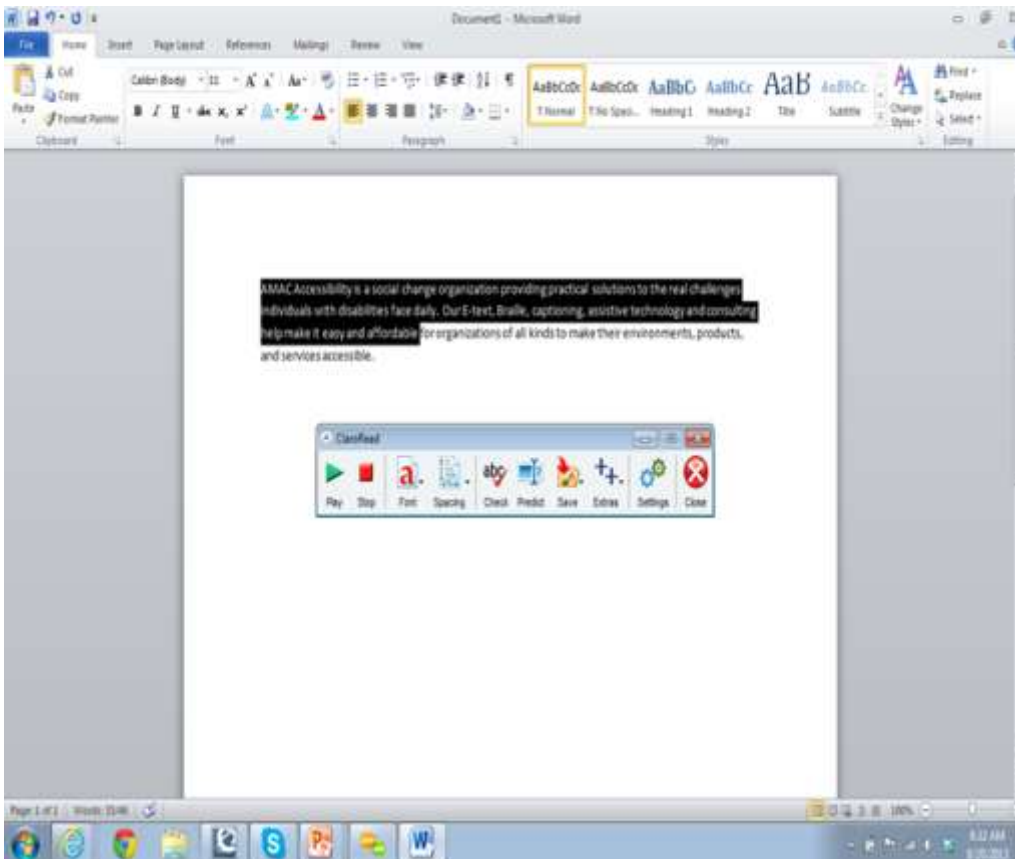
- **Braille Services** produces customized projects from both print materials and electronic text including partial books and chapters or graphics only using cutting-edge technology.
- **Professional E-Text Producers** provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML.
- **Captioning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

# AMAC's AT Software



- ClaroRead
- Premier Literacy (including PDF Equalizer)
- Learning Ally
- Dolphin EasyReader
- Read Write Gold

# ClaroRead with MS Word



- For PC or Mac
- Reads aloud any print that is highlighted
- Floating toolbar
- Quickly and easily change the font size
- Change colors and spacing
- Check definition and meaning of words

# ClaroRead with Adobe Acrobat

Chapters 01-03.pdf - Adobe Acrobat Pro

File Edit View Window Help

Create

ClaroRead V5.5

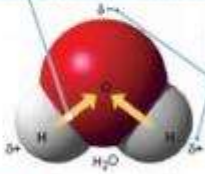
Play Stop Font Spacing Hyphens Check Save Extras Settings Help Close

in the Study of Life

- Inquiring About Life
- The themes of this book make connections across different areas of biology
- The Core Theme: Evolution accounts for the unity and diversity of life

Each atom that can share valence electrons has a bonding capacity corresponding to the number of covalent bonds the atom can form. When the bonds form, they give the atom a full complement of electrons in the valence shell. The bonding capacity of oxygen, for example, is 2. This bonding capacity is called the atom's valence and usually equals the number of unpaired electrons required to complete the atom's outermost (valence) shell. See if you can determine the valences of hydrogen, oxygen, nitrogen, and carbon by studying the electron distribution diagrams in Figure 2.9. You can see that the valence of hydrogen is 1; oxygen, 2; nitrogen, 3; and carbon, 4. However, the situation is more complicated for elements in the third row of the periodic table. Phosphorus, for example, can have a valence of 3, as we would predict from the presence of 3 unpaired electrons in its valence shell. In some molecules that are biologically important, however, phosphorus

Because oxygen (O) is more electronegative than hydrogen (H), shared electrons are pulled more toward oxygen.



This results in a partial negative charge on the oxygen and a partial positive charge on the hydrogens.

**Figure 2.13 Polar covalent bonds in a water molecule.**

Oxygen is one of the most electronegative of all the elements, attracting shared electrons much more strongly than

# Premier Software

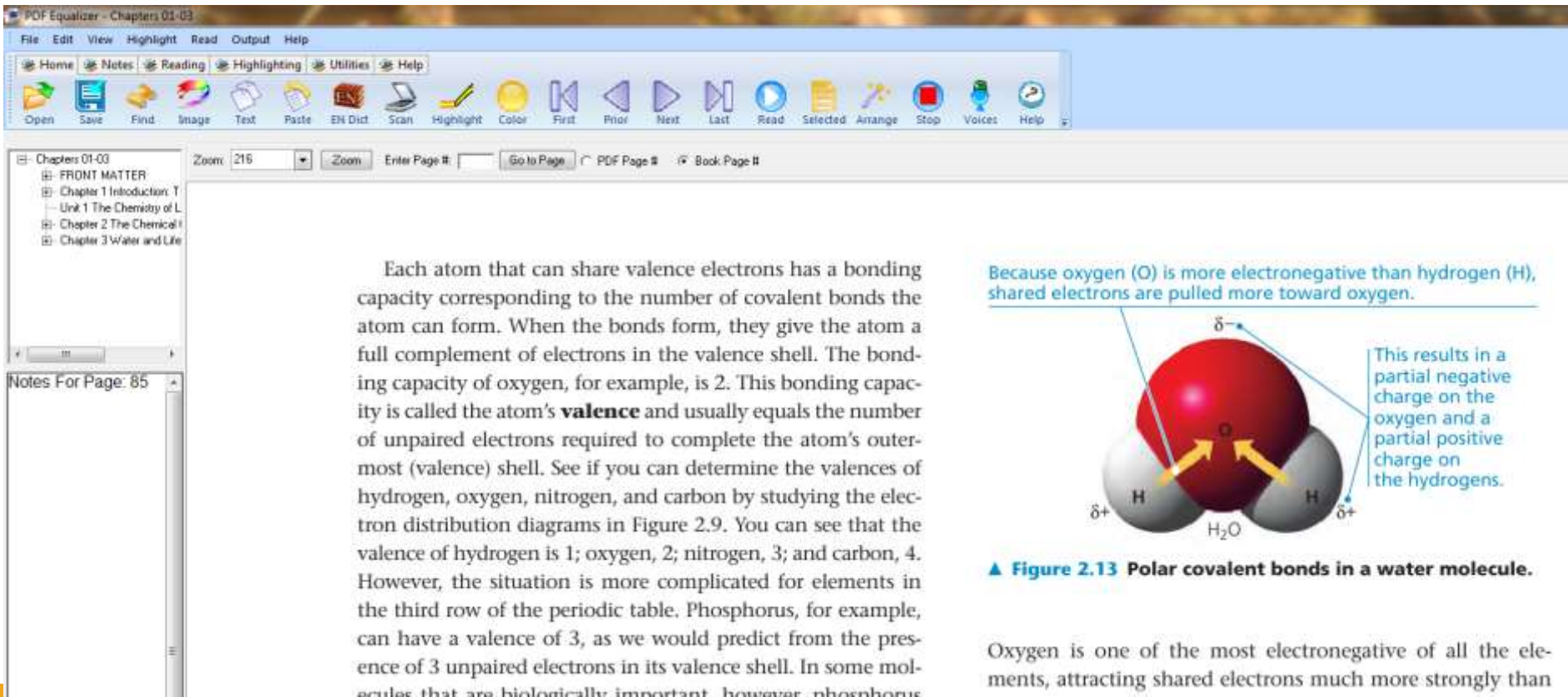
- Read documents in standard file formats such as Microsoft Word, Rich Text, text file format, HTML, and PDF
- Converted to audio files for use on a CD or MP3 player
- Scan and read documents
- Look up a word or definition in the integrated dictionary
- Create study notes and much more!



# PDF Equalizer with PDF File

## PDF Equalizer

- open PDF inside the program
- text to speech, zoom, note taking, dictionary



The screenshot shows the PDF Equalizer application window. The title bar reads "PDF Equalizer - Chapters 01-03". The menu bar includes File, Edit, View, Highlight, Read, Output, and Help. The toolbar contains icons for Home, Notes, Reading, Highlighting, Utilities, and Help. Below the toolbar is a row of icons for Open, Save, Find, Image, Text, Paste, EN Dict, Scan, Highlight, Color, First, Prior, Next, Last, Read, Selected, Arrange, Stop, Voice, and Help. The left sidebar shows a tree view of the document structure: Chapters 01-03, FRONT MATTER, Chapter 1 Introduction: The Chemistry of Life, Unit 1 The Chemistry of Life, Chapter 2 The Chemical World, and Chapter 3 Water and Life. The main text area displays a paragraph about valence, followed by a diagram of a water molecule (H<sub>2</sub>O) illustrating polar covalent bonds. The diagram shows a central oxygen atom (red) with two lone pairs of electrons, and two hydrogen atoms (white) bonded to it. Yellow arrows point from the oxygen atom to each hydrogen atom, indicating the shift of shared electrons toward the more electronegative oxygen. Partial charges are labeled:  $\delta^-$  on the oxygen and  $\delta^+$  on each hydrogen. Text annotations explain that oxygen is more electronegative than hydrogen, resulting in a partial negative charge on oxygen and a partial positive charge on the hydrogens.

Each atom that can share valence electrons has a bonding capacity corresponding to the number of covalent bonds the atom can form. When the bonds form, they give the atom a full complement of electrons in the valence shell. The bonding capacity of oxygen, for example, is 2. This bonding capacity is called the atom's **valence** and usually equals the number of unpaired electrons required to complete the atom's outermost (valence) shell. See if you can determine the valences of hydrogen, oxygen, nitrogen, and carbon by studying the electron distribution diagrams in Figure 2.9. You can see that the valence of hydrogen is 1; oxygen, 2; nitrogen, 3; and carbon, 4. However, the situation is more complicated for elements in the third row of the periodic table. Phosphorus, for example, can have a valence of 3, as we would predict from the presence of 3 unpaired electrons in its valence shell. In some molecules that are biologically important, however, phosphorus

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This results in a partial negative charge on the oxygen and a partial positive charge on the hydrogens.

$\delta^-$

$\delta^+$  H  $\delta^+$  H

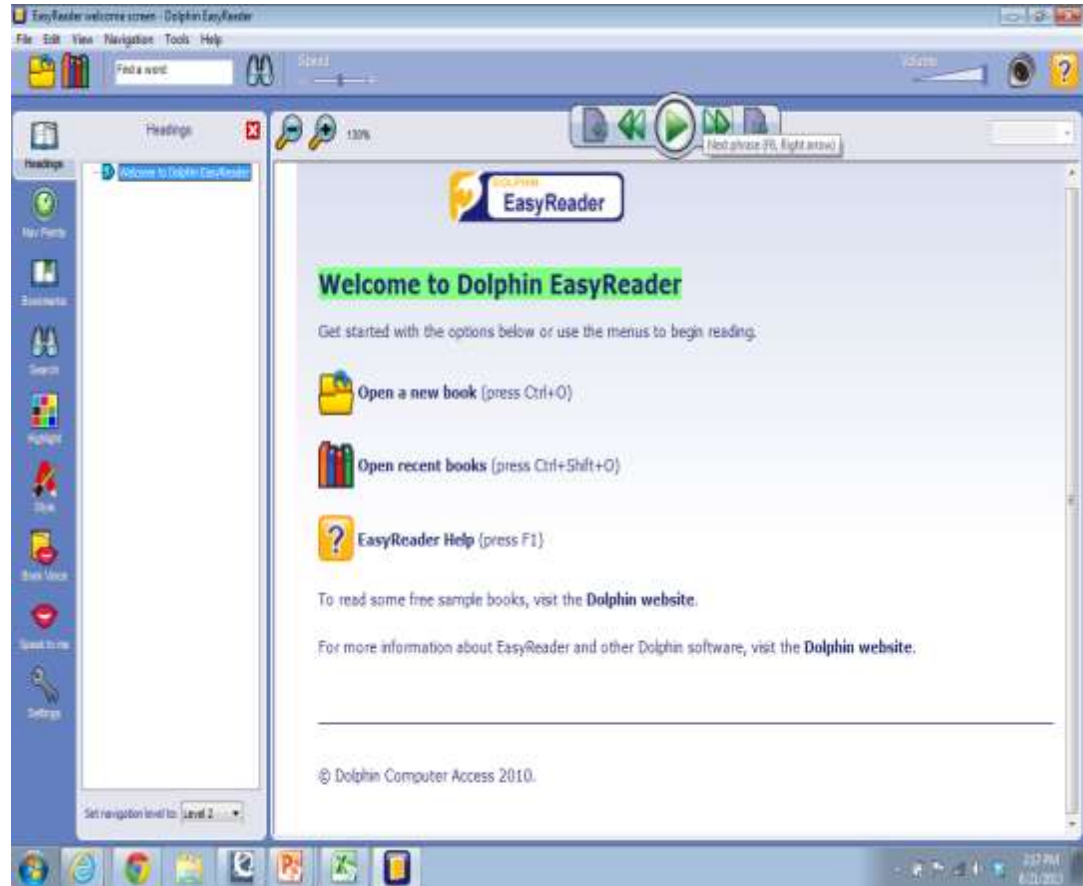
H<sub>2</sub>O

▲ **Figure 2.13** Polar covalent bonds in a water molecule.

Oxygen is one of the most electronegative of all the elements, attracting shared electrons much more strongly than

# Dolphin Easy Reader

- Read multiple formats including MathML, Daisy, HTML, and EPUB
- Highlights text as it speaks



# Learning Ally

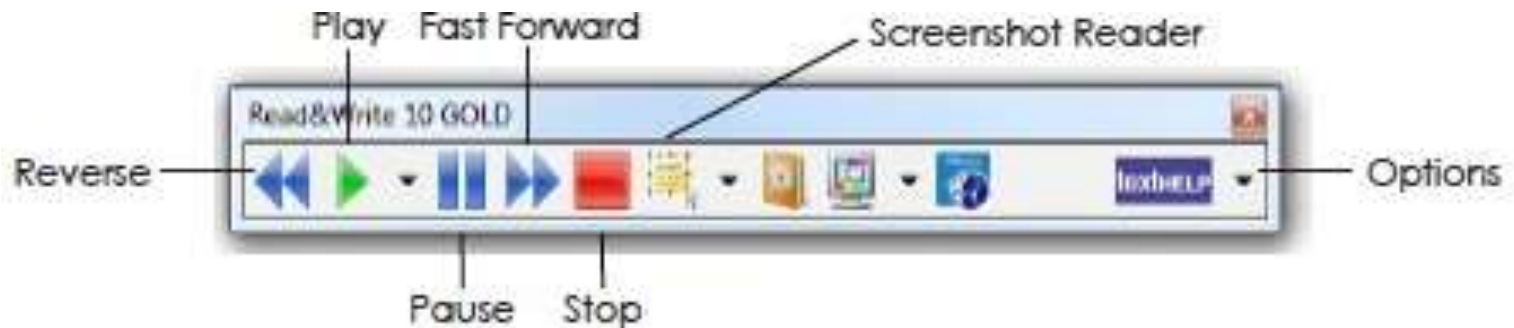


- Learning Ally
  - Audiobooks
  - Requires Learning Ally software
  - Requires first time activation



# Read & Write Gold

- Read & Write Gold
  - PC and Mac Compatible
  - PDFs, DOCs, DAISY, and Webpages
  - Synchronous highlighting



# Read & Write Gold (additional features)

- Read & Write Gold
  - Multiple tool bars to assist with study skills, research and writing

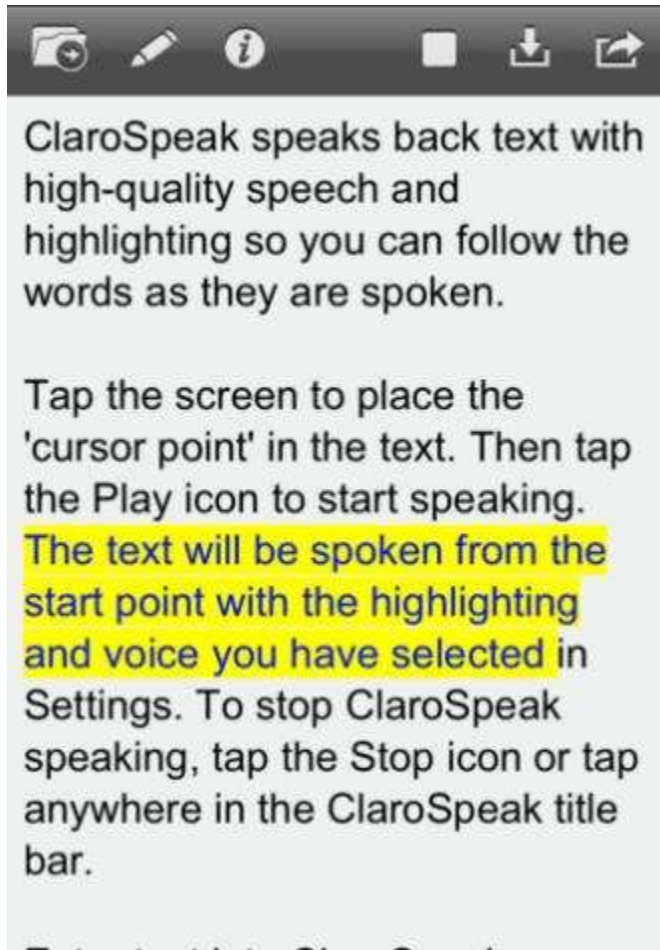


# ClaroPDF for iPad

- Synchronous highlighting and text to speech for PDFs
- Navigate by page or headings
- Write notes, highlight text
- Customizable options
- Cannot read image PDFs



# ClaroSpeak US



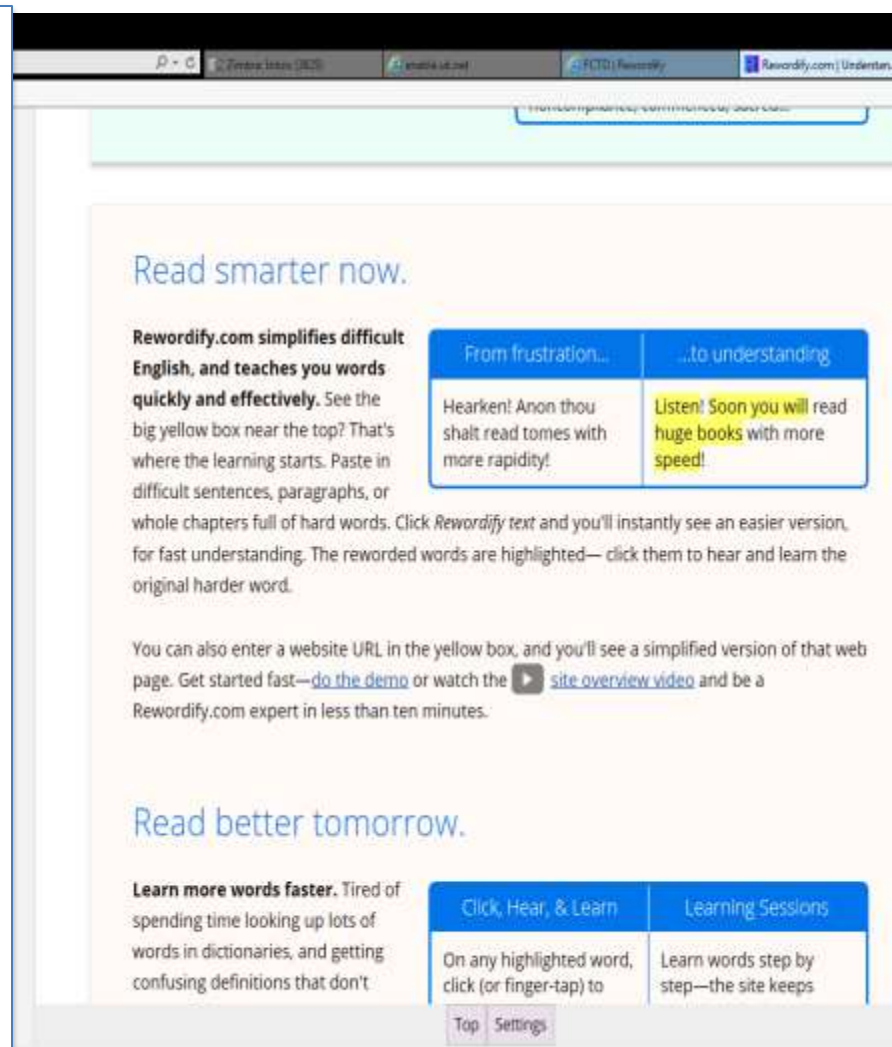
- Text-to-Speech
  - import documents and PDFs into ClaroSpeak from apps such as Mail; or import PDF, Word, Pages and other files directly from Dropbox
- Change font and color
- Save text as an audio file
- Visual Tracking
- Send Text



# 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).”



The screenshot shows the Rewordify.com homepage. At the top, there's a navigation bar with links for 'Home', 'About', 'FAQ', 'Privacy Policy', and 'Contact Us'. Below this, a large heading reads 'Read smarter now.' followed by a subheading 'Read better tomorrow.' The main content area is divided into two sections. The first section, 'Read smarter now.', features a text box with the example sentence: 'Hearken! Anon thou shalt read tomes with more rapidity!' and a simplified version: 'Listen! Soon you will read huge books with more speed!'. The second section, 'Read better tomorrow.', features a text box with the example sentence: 'On any highlighted word, click (or finger-tap) to' and a simplified version: 'Learn words step by step—the site keeps'. At the bottom, there are links for 'Top' and 'Settings'.

Read smarter now.

Rewordify.com simplifies difficult English, and teaches you words quickly and effectively. See the big yellow box near the top? That's where the learning starts. Paste in difficult sentences, paragraphs, or whole chapters full of hard words. Click *Rewordify text* and you'll instantly see an easier version, for fast understanding. The reworded words are highlighted—click them to hear and learn the original harder word.

You can also enter a website URL in the yellow box, and you'll see a simplified version of that web page. Get started fast—[do the demo](#) or watch the [site overview video](#) and be a Rewordify.com expert in less than ten minutes.

Read better tomorrow.

Learn more words faster. Tired of spending time looking up lots of words in dictionaries, and getting confusing definitions that don't

Click, Hear, & Learn

On any highlighted word, click (or finger-tap) to

Learning Sessions

Learn words step by step—the site keeps

Top Settings

# 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





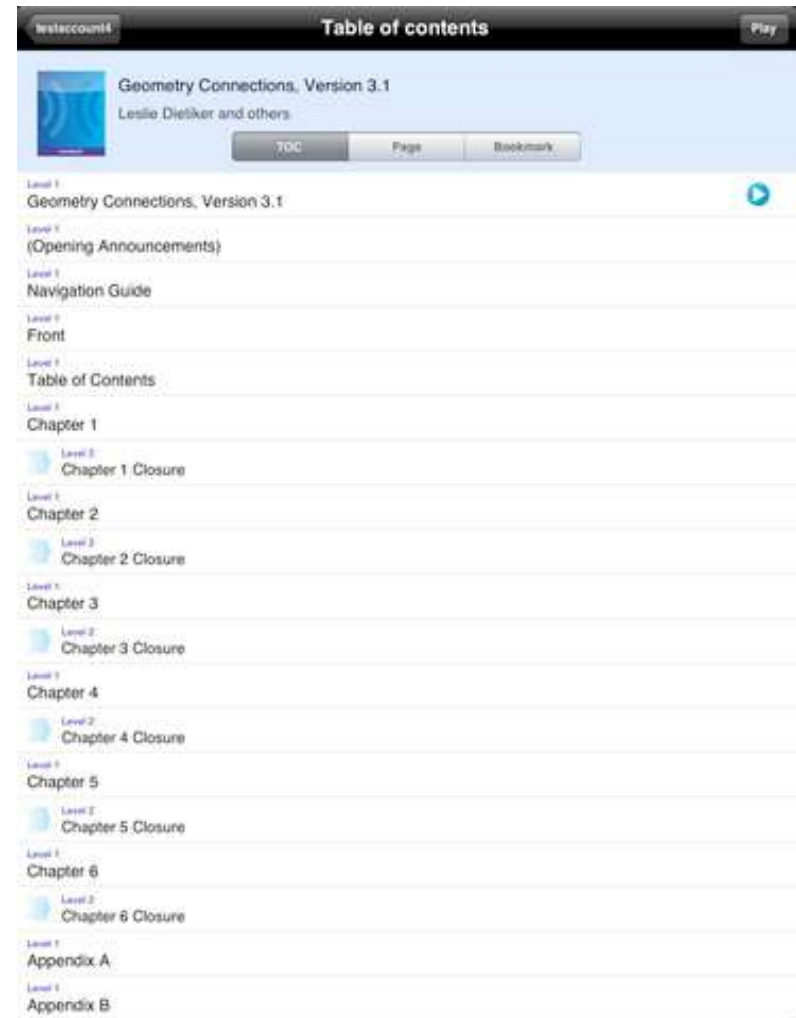
# **AnyBook Anywhere**

- Use to record your voice reading the story
- 200 hours of recording
- Works with any book
- Store recordings on a virtual library
- Share collections with friends
- \$49.99
- Amazon.com



# Learning Ally

- Learning Ally
  - [DAISY](#)
  - Membership required
  - over 75,000 audiobooks, audio textbooks, and other recorded books
  - Free Trial



testaccount4 Table of contents Play

Geometry Connections, Version 3.1  
Leslie Dietiker and others

TOC Page Bookmark

Level 1  
Geometry Connections, Version 3.1

Level 2  
(Opening Announcements)

Level 3  
Navigation Guide

Level 4  
Front

Level 5  
Table of Contents

Level 6  
Chapter 1

Level 7  
Chapter 1 Closure

Level 8  
Chapter 2

Level 9  
Chapter 2 Closure

Level 10  
Chapter 3

Level 11  
Chapter 3 Closure

Level 12  
Chapter 4

Level 13  
Chapter 4 Closure

Level 14  
Chapter 5

Level 15  
Chapter 5 Closure

Level 16  
Chapter 6

Level 17  
Chapter 6 Closure

Level 18  
Appendix A

Level 19  
Appendix B

# 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



# Audible.com

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



# Mobile Tablets/ eReaders

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



# 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](http://www.kurzweiledu.com)
  - [Kurzweil 3000 Demo](#)



# WYNN

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



# 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

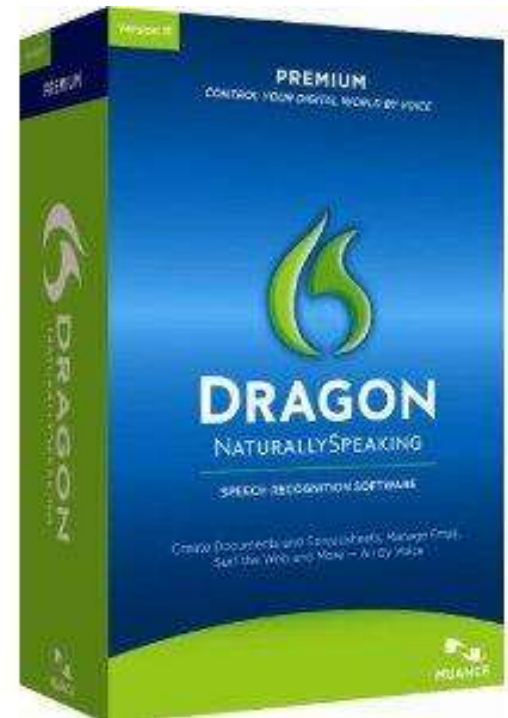
- Records what it hears and what you write
- Uses specific paper for playback
- Connects to computer by USB for saving
- Tap on note and playback from there
- Jump forward and back in notes
- Dictionary
- Translation Apps
- Purchase Apps online
- [Demo](#)



# **Voice Input Solutions**

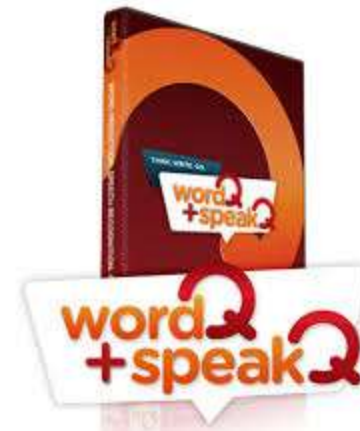
# Speech Recognition Software

- 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/>



# 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](#)

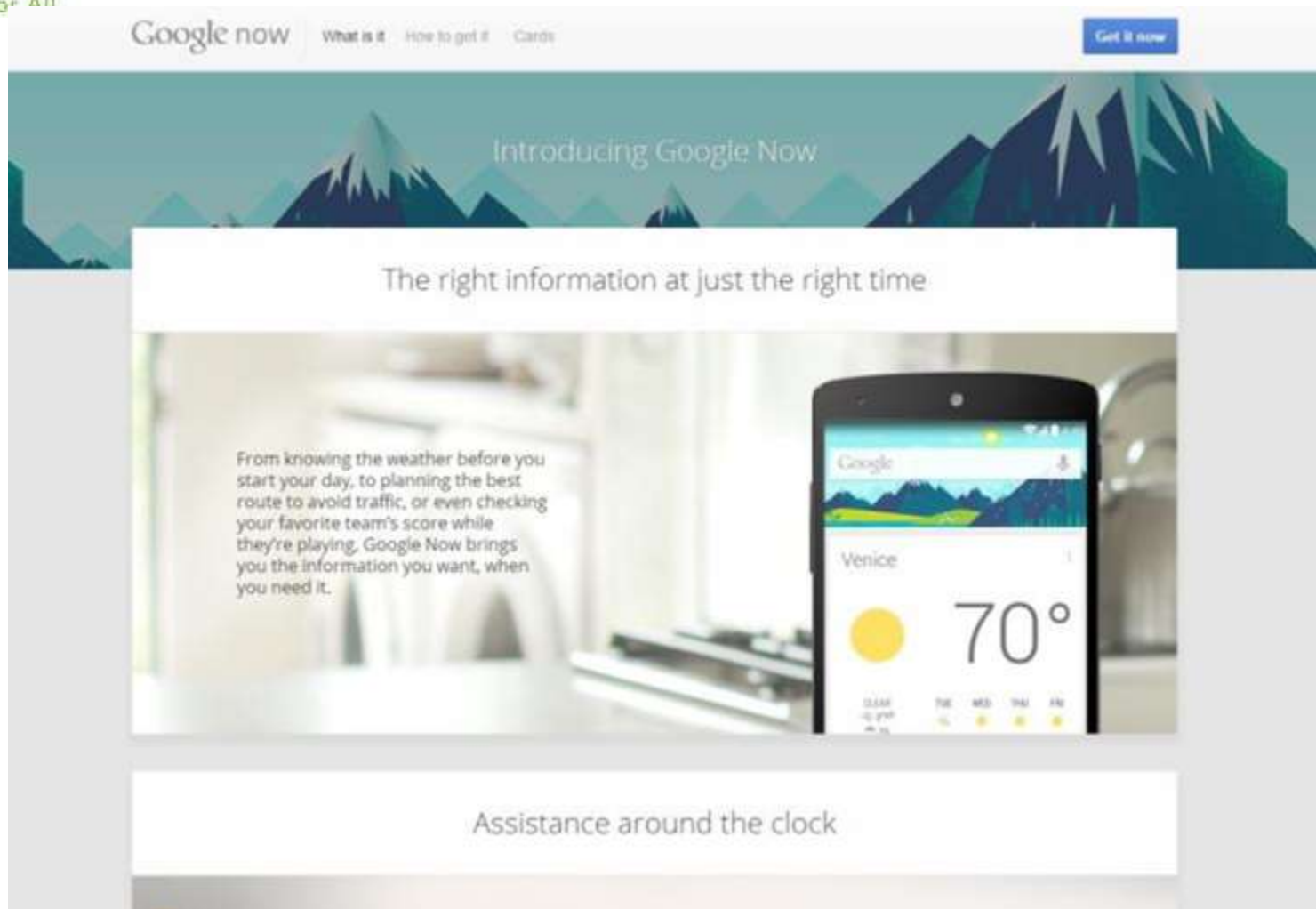


# Inspiration

- 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



# Google Now



Google now | What is it | How to get it | Cards [Get it now](#)

## Introducing Google Now

The right information at just the right time.

From knowing the weather before you start your day, to planning the best route to avoid traffic, or even checking your favorite team's score while they're playing, Google Now brings you the information you want, when you need it.

Venice  
70°  
CLEAR  
-4 to 74°  
TUE WED THU FRI

Assistance around the clock

# Telepresence

# VGo Telepresence Robot

- Enables a person to replicate themselves in a distant location and have the freedom to move around as if they were physically there
- Reduces travel costs
- School
- Hospital
- Work from home



## Solutions

- Overview
- Products and Services
- Benefits
- Applications
  - Healthcare
  - Large Enterprise
  - Manufacturing
  - Education
  - SMB

## Quick Links

**Request Info**  
**Drive a VGo**  
**Latest VGo News**  
**Download VGo App**

## People with Disabilities in the Work Place

Sector: **Business**



VGo increases productivity and effectiveness while lowering costs by enabling a person to get to a location instantly and easily. VGo is not designed as a replacement for in-person interaction but rather as the next best alternative to "being" in the workplace. VGo also eliminates the deficiencies associated with other video solutions that are locked to a TV or computer monitor by providing 100% remote controlled mobility. [delete that](#)

In addition to "being" at work from home, VGo can help people who can get to the workplace, but who cannot practically move about the facility or campus. A VGo can be used to enable a person to move around in one part of the facility while they are physically in another.

### The benefits of using VGo in the workplace include

- Getting to places previously inaccessible increases opportunities
- Freedom of movement increases personal interaction with others
- Quality of life improvements by expanding the work and social environments
- Costs can be reduced by lowering or eliminating select transportation expenses, and by communications and speeding decision making



# Kubi



- Dock your tablet for remote pan and tilt controls
- See and interact with people during a conference call
- Use any Video Client: Skype, FaceTime, Google Hangout, etc.
- Cloud Control

# Beam



# **Promoting Mental Health**



# **DBSA Wellness Tracker**

**[www.DBSAlliance.org/Tracker](http://www.DBSAlliance.org/Tracker)**

**On-line - iOS App - Android App**

**Provides key health trends for mood disorder**

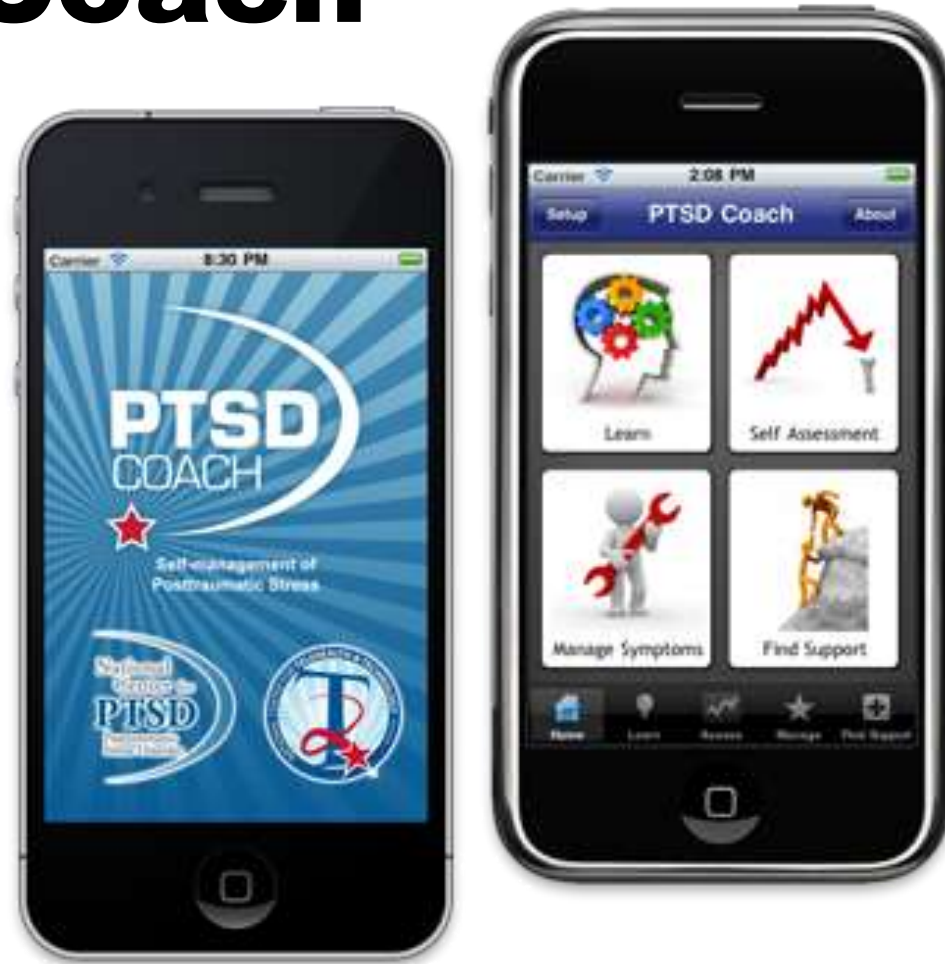
- **Overall Mood** – (depressed to manic)
- **Well-Being** – (cheerful, calm, active, rested)
- **Mood Disorder Symptoms** – (rate and comment)
- **Lifestyle** (including sleep, exercise, etc.)
- **Medication and Side Effects**
- **Physical Health**

# PTSD Coach

**FREE!**

**Android & iOS**

- PTSD Coach was designed for Veterans and military Service Members who have, or may have, Posttraumatic Stress Disorder (PTSD). This app provides users with education about PTSD, information about professional care, a self-assessment for PTSD, opportunities to find support, and tools that can help users manage the stresses of daily life with PTSD. Tools range from relaxation skills and positive self-talk to anger management and other common self-help strategies. Users can customize tools based on their preferences and can integrate their own contacts, photos, and music. This app can be used by people who are in treatment as well as those who are not. PTSD Coach was created by VA





# Behavior Trackers

- Easy Behavior Tracker for Teachers (1.99)
- Autism Tracker Lite: Track analyze and share ASD daily (free)
- Group Star Charts (.99)
- Social Stories for Problem Behaviors (9.99)
  - Calm Counter
  - Wait Timer
  - Turn Taker
  - Going Shopping
  - Running (when and where to run)

# Self Monitoring

Student identifies and monitors her or his own behavior. Age and developmentally appropriate.

- Excel!
- iModeling Boundaries
- Calm Counter

# **Video Prompting & Modeling**

- **Videos that show a task in the setting in which it occurs**
- **Student is recorded doing his or her best performance**
- **Used in transitioning activities, school to work activities, daily living skills, social skills**
- **“Make New Friends in Middle School”**  
<https://www.youtube.com/watch?v=MJYLfekgw2I>

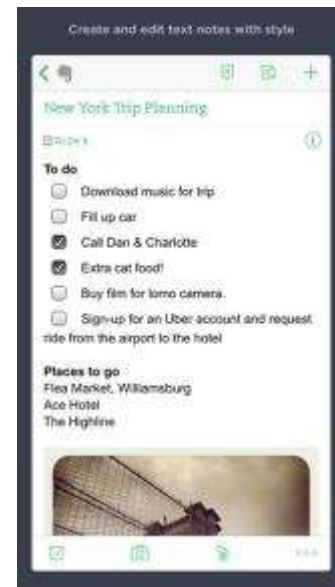
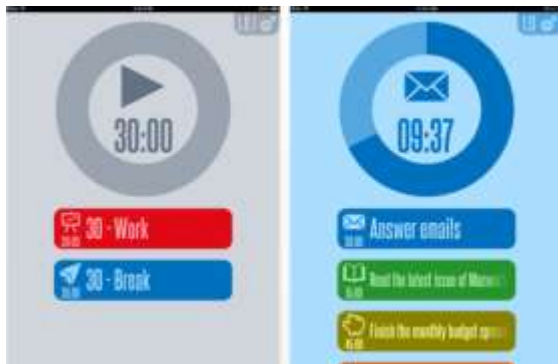
# Cognitive Behavior Therapy

- CBT4Kids Toolbox (free)
- DBT Emotion Regulation Tools (7.99)
- Kid CBT ABC
- [https://itunes.apple.com/us/app/kid-cbt\\*abc-way/id552651162?mt=8](https://itunes.apple.com/us/app/kid-cbt*abc-way/id552651162?mt=8)



# Task Management

- Evernote (free, iOS, Android, Windows)
  - allows you to store text, photos, and audio notes on your device of choice. Create "notebooks" and categorize notes for meetings and to-do lists. Notes are tagged with geo-location for mapping or search. Keep all info in one place
- 30/30 (free, iOS, Android, Windows)
  - Set up tasks and time needed to complete
  - App will tell you when to move onto next task



# AT for Calming

## T. Jacket by T. Ware

- Wearable technology
  - Provides deep touch pressure to calm/soothe individual who is anxious or stressed
  - Pressure controlled via smartphone iOS or Android
  - Child/Adult sizes; \$599



# AT for Calming

## b-Calm

- Products for adult and children
  - (\$109 -\$205)
- Preloaded audio sedation tracks
  - Acoustic masking signals work to make typically distracting noises unapparent to the user
  - Audio recordings to help with relaxation and focus



# APPS for Mood Management

- Self-Help for Anxiety Management(SAM) (free iOS, Android)
  - Tell the app how you're feeling, how anxious you are, or how worried you are.
  - app's self-help features walk you through some calming or relaxation practices.
- iZen garden (\$4.99, iOS)
- Koi Pond (\$1, iOS)



# Mindfulness

Class or individual “breathing break”.

- [Tips for Teaching Mindfulness to Kids](#)
- Relax Sounds – Relaxing Nature & Ambient Melodies (free)
- Take a Break! –Guided Meditation (free)
- Stop, Breathe & Think (free)
- Relaxing Sounds & Ambient Music for Sleep, Meditation, Yoga (\$2.00)

# APPS for Sleep Management

- Sleep Time-Alarm Clock (free, iOS, Android)
- Sleep Cycle (\$1, iOS, Android)
- Sleepbot ( free, iOS, Android)
- Monitors sleep habits
- Uses accelerometer in the smartphone, tells you how quickly you fall to sleep, when you enter each phase of sleep, and how efficient each sleep cycle is. The app gently wakes you up at the right time, not in the middle of a deep sleep



# Relax Melodies: Sleep & Yoga

FREE!

iOS and Android

- Relax Melodies is the LEADER in personalized relaxation and sleep assistance. No more lacking of sleep or insomnia for you! The sleep that you need and want is waiting for you. Relax Melodies and its many features such as high quality white noise sounds, music melodies and complete customizable mixes will help you sleep like never before!
- Here's how it works :
  1. Create a sleep mix by selecting sounds and music that you like.
  2. Slip naturally into a relaxed state or a deep sleep...!
  3. Awake, feel refreshed and happier
  4. Do it again, anytime!
- Use it also in many other situation such as while exercising, during your yoga meditation sessions, while massaging, during a quick nap or even to help your baby fall asleep faster!





# Breathe2Relax

- Portable stress management tool
- Detailed information on the effects of stress on the body
- Instructions and practice exercises to learn the stress management skill called diaphragmatic breathing



# What's New In AT!

# Typing made Easier

iOS 8 Preview



Our smartest  
keyboard ever.

iOS 8 makes typing easier by suggesting contextually appropriate words to complete your sentences. It even recognizes to whom you're typing and whether you're in Mail or Messages. Because your tone in an email may be different from your tone in a message.

[Learn more >](#)





# Reminders



- Built-in App
- Works with VoiceOver
- Organize your reminders
- Siri
- iPad

# TapTapSee

- Designed to help people with low vision identify objects they encounter in their daily lives.
- Double tap the screen to take a photo of anything, at any angle, and hear the app speak the identification back to you.
- Requires VoiceOver to be turned on.



# Pixie

- Maps all of the digital things in your life
- Place a pixie chip on any device and map will tell you it's precise location
- <https://www.getpixie.com/>



# iBeacon Technology

- Estimote Beacons
  - Wireless sensors that attached to any location or object
  - Broadcasts radio signals to smartphone



# Meet NAO!



# research

news@Vanderbilt

SEARCH

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## Humanoid robot helps train children with autism

by David Salisbury | Posted on Saturday, Mar. 23, 2013 — 1:11 PM

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Groundbreaking study finds children with autism hear and see out of sync JANUARY 15, 2014

Interactive Robot Helps Children with Autism



0:00 / 2:41

YouTube

# 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



 fitbit.  
Discover a whole  
new world of fitness.



# 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

- 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.



# Amazon Echo



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



HOME

ASSISTIVE TECHNOLOGY

TFL NETWORK

CALENDAR OF EVENTS



Search our Site

Go

TRAINING

FUNDING

PUBLICATIONS

TFL WIKI

MEET THE TFL TEAM

MEET THE  
ADVISORY COUNCIL

DIRECTIONS/MAP

JOIN OUR  
MAILING LIST

Welcome

AT Services

Try AT

Get AT

AT Guides

Research



LDA ANNUAL CONFERENCE

FEB  
19

Disneyland Resort & Hotel in  
Anaheim, California

INTEGRATING UDL AND AT TO CLOSE

THE ACHIEVEMENT GAP

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25

Griffin RESA  
440 Tilney Avenue, P O Drawer  
H  
Griffin, GA 30224

ATLANTA ABILITIES EXPO



MAR

Georgia World Congress  
Center  
Hall G4



## **Success with Assistive Technology and Advocacy begins with the Individual**

- Explore & USE Assistive Technology that can Help You
- Begin with the End in Mind
- Try – Fail & Try again...
- Evaluate and Evolve
- Celebrate your Successes! Success Breeds Success.



**My Question to You:  
What have You Learned today?**

# TOOLS *for* LIFE

Georgia's Assistive Technology Act Program



# The Tools for Life Team



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