



Tools for Life: Exploring Assistive Technology

Martha Rust, MS CRC ATP
with contributions by the Tools for Life Team

www.gatfl.org

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

www.amacusg.org





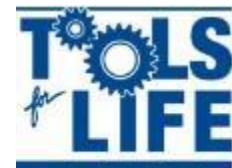
Welcome to the Assistive Technology Revolution!

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
- 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...

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



Georgia's Assistive
Technology Act Program

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

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

Find or Donate Your Gently Used AT & DME



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.

2015 IDEAS CONFERENCE

JUN
1

Epworth by the Sea, St. Simons Island

2015 GATE SEMINAR

DEC
4

Georgia Tech Student Center

WEBINARS

MAY
7

Exploring College and Career Readiness through Assistive Technology

- Current Webinar Schedule
- Webinar Archives

TOOLS FOR LIFE APPFINDER



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

AT ONLINE EXCHANGE



Hawaii AT Program

www.toolsforlifehawaii.com



Assistive Technology Resource Centers of Hawaii

[HOME](#) [ABOUT US](#) [SERVICES](#) [PHOTO GALLERY](#) [CONTACT US](#) [OUR STORIES](#)

[DONATE NOW](#)



Linking people with technology



NEWS & STORIES



UPDATES & ACTIVITIES

[Learn more...](#)

REGISTER NOW FOR THE 2016 THERESE WILLKOMM 'MAKE & TAKE' WORKSHOP

January 12, 2016 - Big Island

January 14, 2016 - Oahu

[CLICK TO DOWNLOAD WORKSHOP
INFORMATION & REGISTRATION FORM](#)

"What you (ATRC) do here is amazing, it really gave me hope, and now I can look forward to the future without worrying if I am losing my hearing or vision because I know ATRC will connect me to the technology to be independent."

-Francis Forsythe (Borrowed a Pocket Talker)



OUR SERVICES

AT Exchange

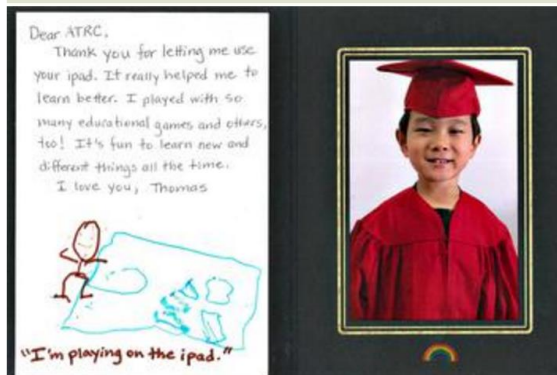
Donate or receive
refurbished computer for free



[LEARN MORE](#)

AT Depot

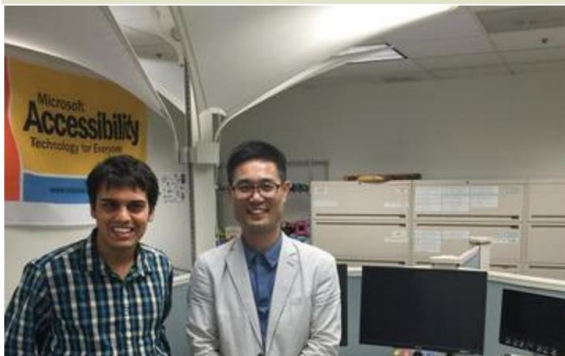
Borrow devices
to "try before you buy"



[LEARN MORE](#)

AT Loan

Obtain low interest loan
for AT device



AT Demonstration and Training

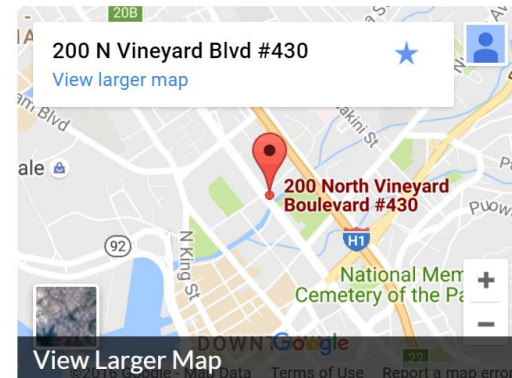
Free one-one-one guide on technology
devices and software



VISIT US

Assistive Technology Resource
Center of Hawaii

200 N. Vineyard Blvd. Ste. 430
Honolulu, HI 96817 USA



[View Larger Map](#)

CONTACT US

Phone: 808•532•7110

Fax: 808•532•7120

Toll Free: 1•800•645•3007

Email: atrc-info@atrc.org

www.facebook.com/assistentec
hnlgo

OUR CALENDAR

SEE ALL UPCOMING EVENTS

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.**



Liz



- <https://www.youtube.com/watch?v=Vit26N9p3q4>



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]

Considering No/Low Tech to High Tech





Examples of Assistive Technology

- Vehicles and Vehicle Modifications
 - Digi-Drive
 - Hand Controls
- Home Modification
 - Ramps, Roll-in showers
 - Environmental Controls
- Computers and Adaptive Software
- Communication
- Learning / Cognitive
 - Smartphones
- Mobility Aids
 - Wheelchairs
 - Walkers
 - Crutches
- Hearing Aids
 - FM Systems
- Vision Equipment
 - Video Magnifiers
 - Screen Magnification

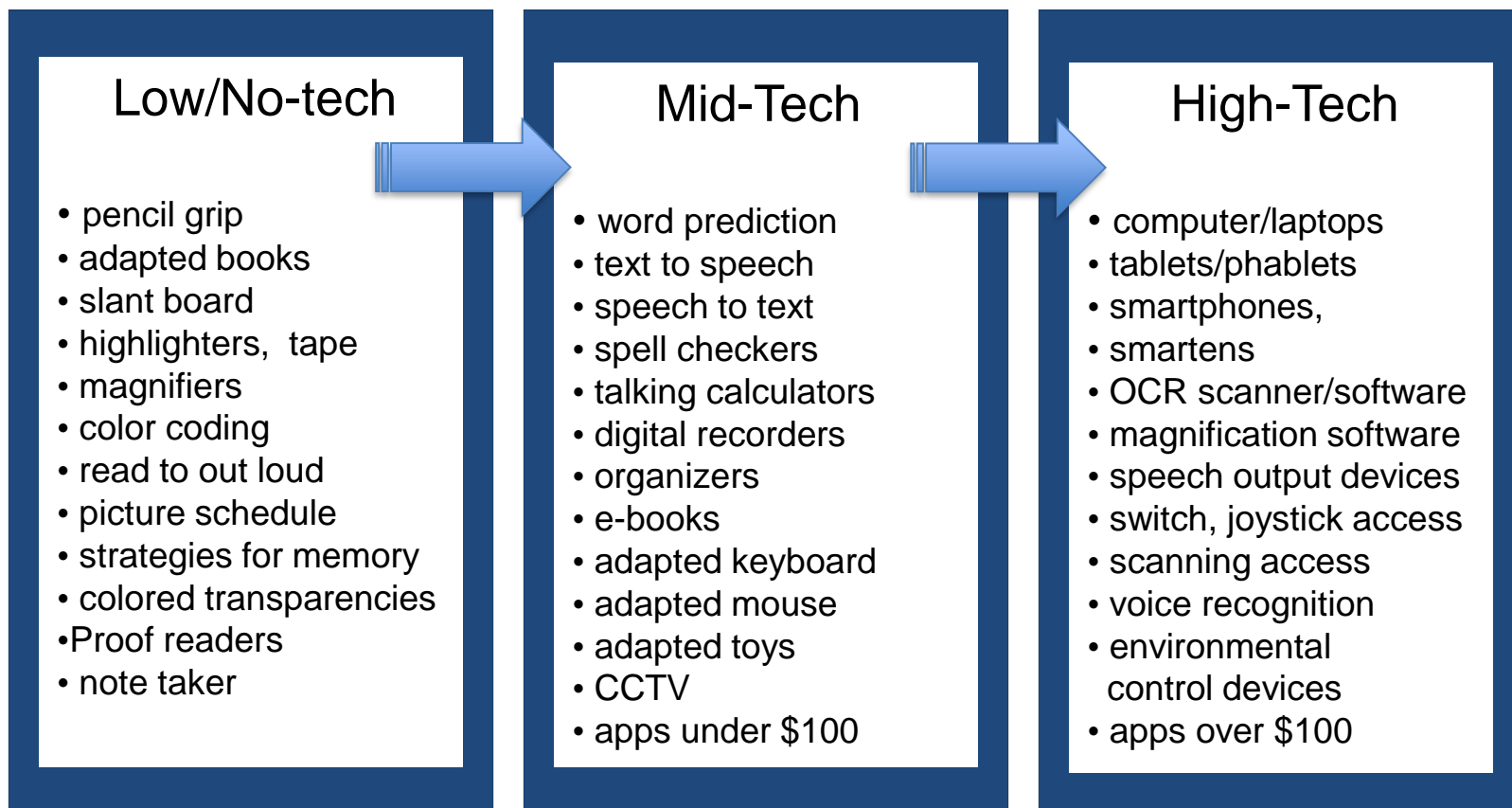
Team Approach

1. The Person with the disAbility

- ✓ Circle of Support – Family of Choice
- ✓ Case Managers
- ✓ Technologist
- ✓ Occupational Therapist
- ✓ Speech & Language Pathologist
- ✓ Physical Therapist
- ✓ Engineer

Observations & “Hanging out with Intent”

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



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



The “FAST” Track

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



Dive into Some AT!

Low Tech AT Solutions



Low Tech Solutions

Writing Solutions:



- “The Penagain takes a novel [ergonomic](http://ergonomics.about.com/od/buyingguide/fr/frpenagain.htm) 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.



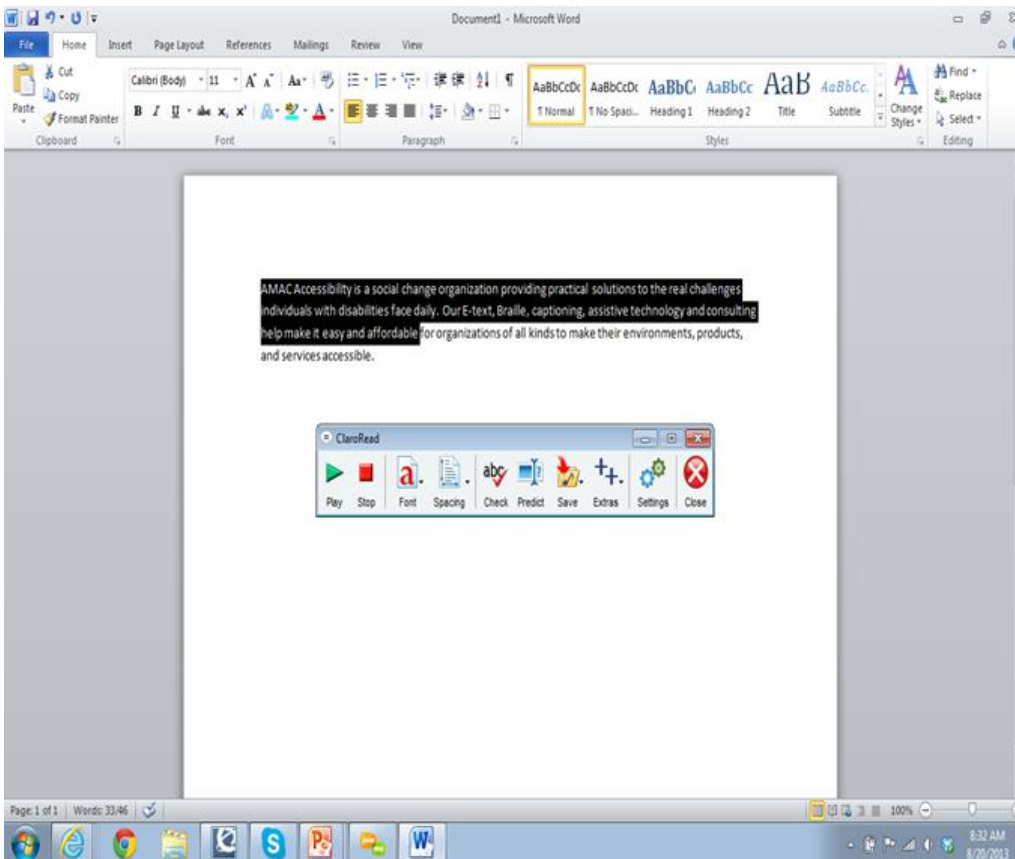
Low Tech Solutions

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



Software/ Tools for Reading and Writing

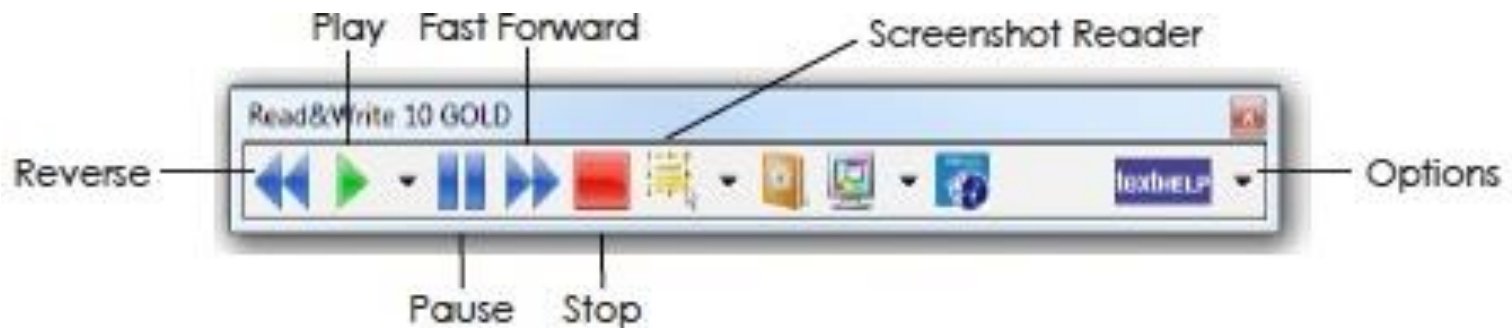
ClaroRead with MS Word



- 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

Read & Write Gold

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



WYNN

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



Speech Recognition Software

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



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

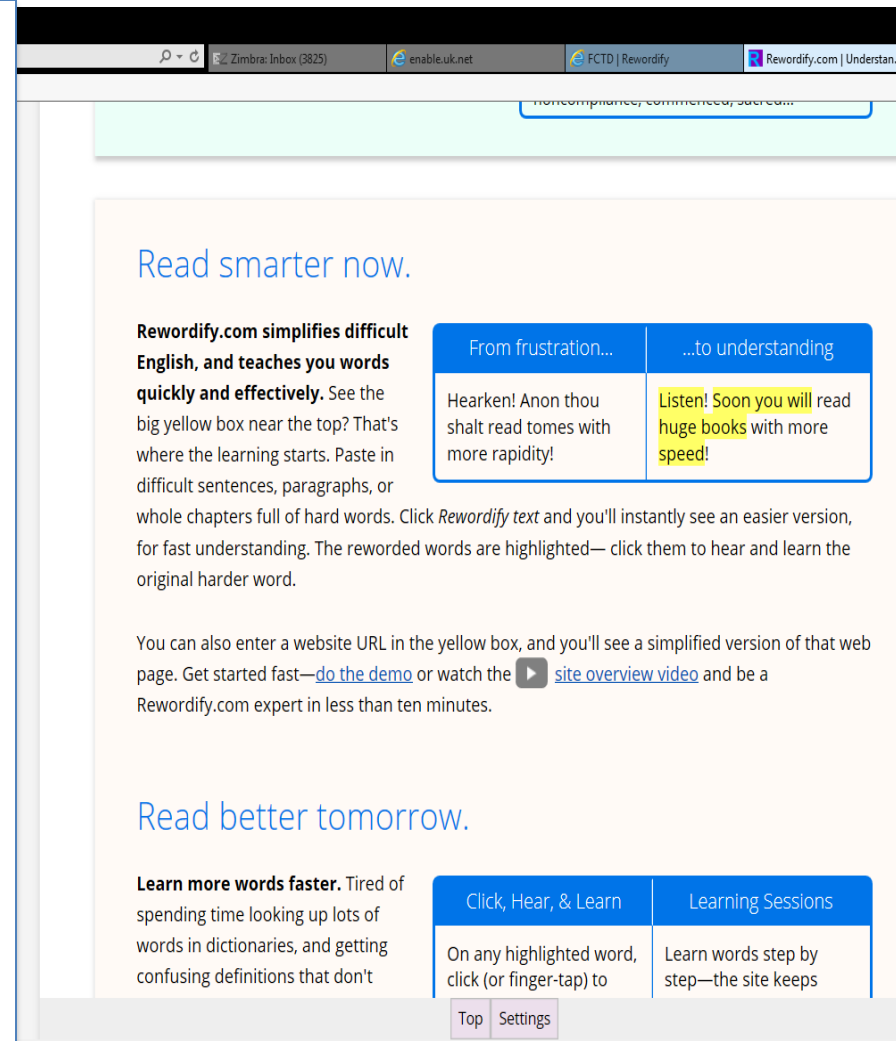
- Mind Mapping software
- Allows User to “connect” ideas together
- Add in pictures and hyperlinks
- Can produce an outline form
- Better organization of essays
- \$27.96
- App \$9.99



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 website. At the top, there's a navigation bar with links for 'Zimbra: Inbox (3825)', 'enable.uk.net', 'FCTD | Rewordify', and 'Rewordify.com | Understand...'. Below this is a search bar. The main content area has a heading 'Read smarter now.' followed by a paragraph explaining the tool's purpose: 'Rewordify.com simplifies difficult English, and teaches you words quickly and effectively.' It includes a yellow box with a sample text transformation: 'Hearken! Anon thou shalt read tomes with more rapidity!' is transformed into 'Listen! Soon you will read huge books with more speed!'. Below this, it says '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.'

Below the main content, there's another section titled 'Read better tomorrow.' with a heading 'Learn more words faster.' It describes the feature of clicking on highlighted words to learn more. It includes a table with two columns: 'Click, Hear, & Learn' and 'Learning Sessions'. The first column says 'On any highlighted word, click (or finger-tap) to' and the second says 'Learn words step by step—the site keeps'. At the bottom right, there are links for 'Top' and 'Settings'.

Click, Hear, & Learn	Learning Sessions
On any highlighted word, click (or finger-tap) to	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



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



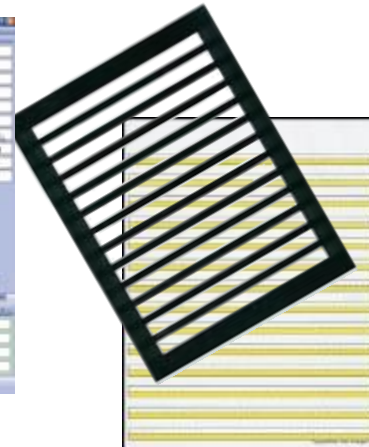
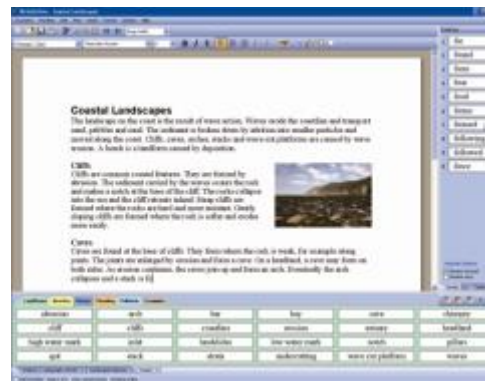
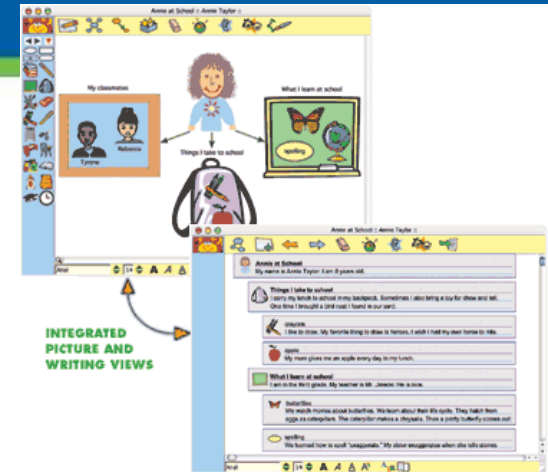
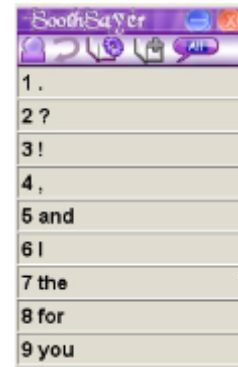
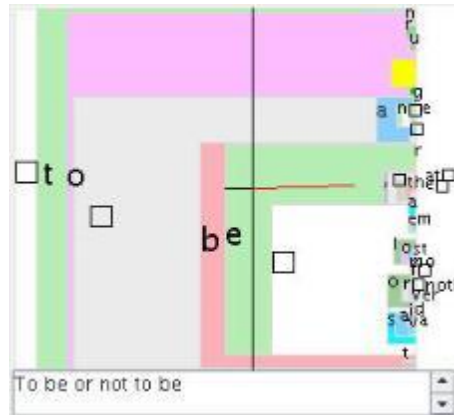
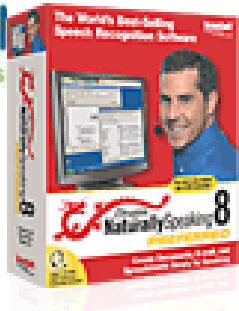
Live Scribe Pen

- 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](#)





Writing

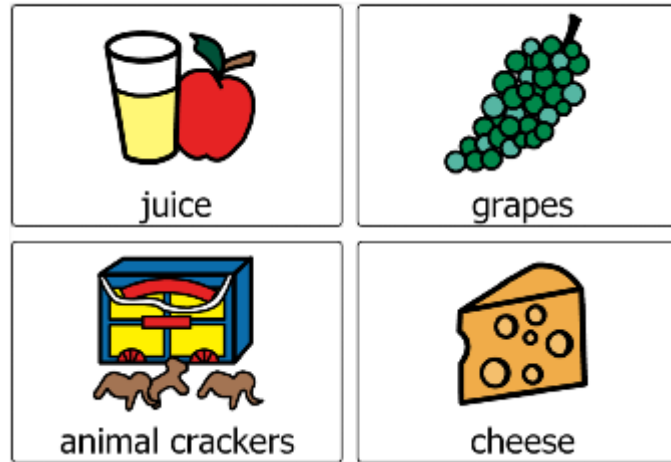


Sensory Tools

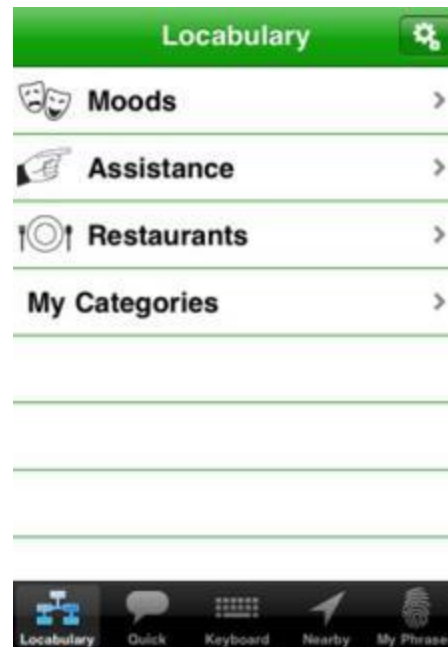
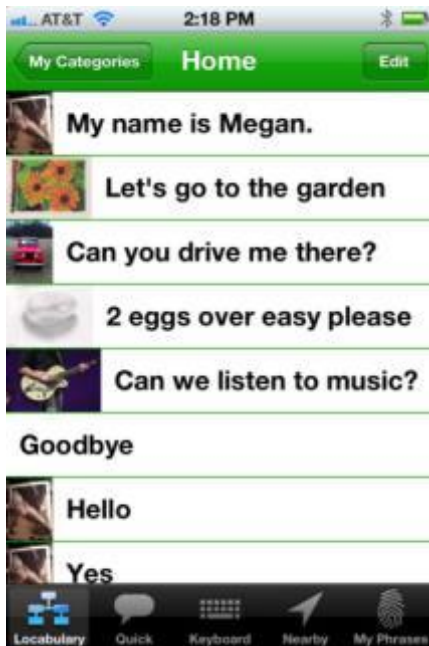
Communication



What do you want for snack?



Locabulary



- Uses GPS to track user location and suggests appropriate vocabulary based on location
 - ie: McDonald's Starbucks
- A keyboard to type for text-to-speech
- User can tag their own locations and create vocabulary for each location
- Lite version Free; Pro version \$130



Eye-Pal Ace

- Portable scanner and reader
- Can save images
- Can reader speed
- Calendar
- Very Fast
- Expensive around \$2500



Portable Video Magnifiers

- Great for Students
- Save images
- Magnify papers and items on the board
- Connect to laptop
- Change background colors



Interpretype

- Allows individuals who are deaf and/or hard of hearing to communicate with a hearing individual by text
- Connect a braille display via Bluetooth
- Save conversations



Pocket Talker

- Sound amplifier
- Easy to Use
- Point in the direction of the person speaking



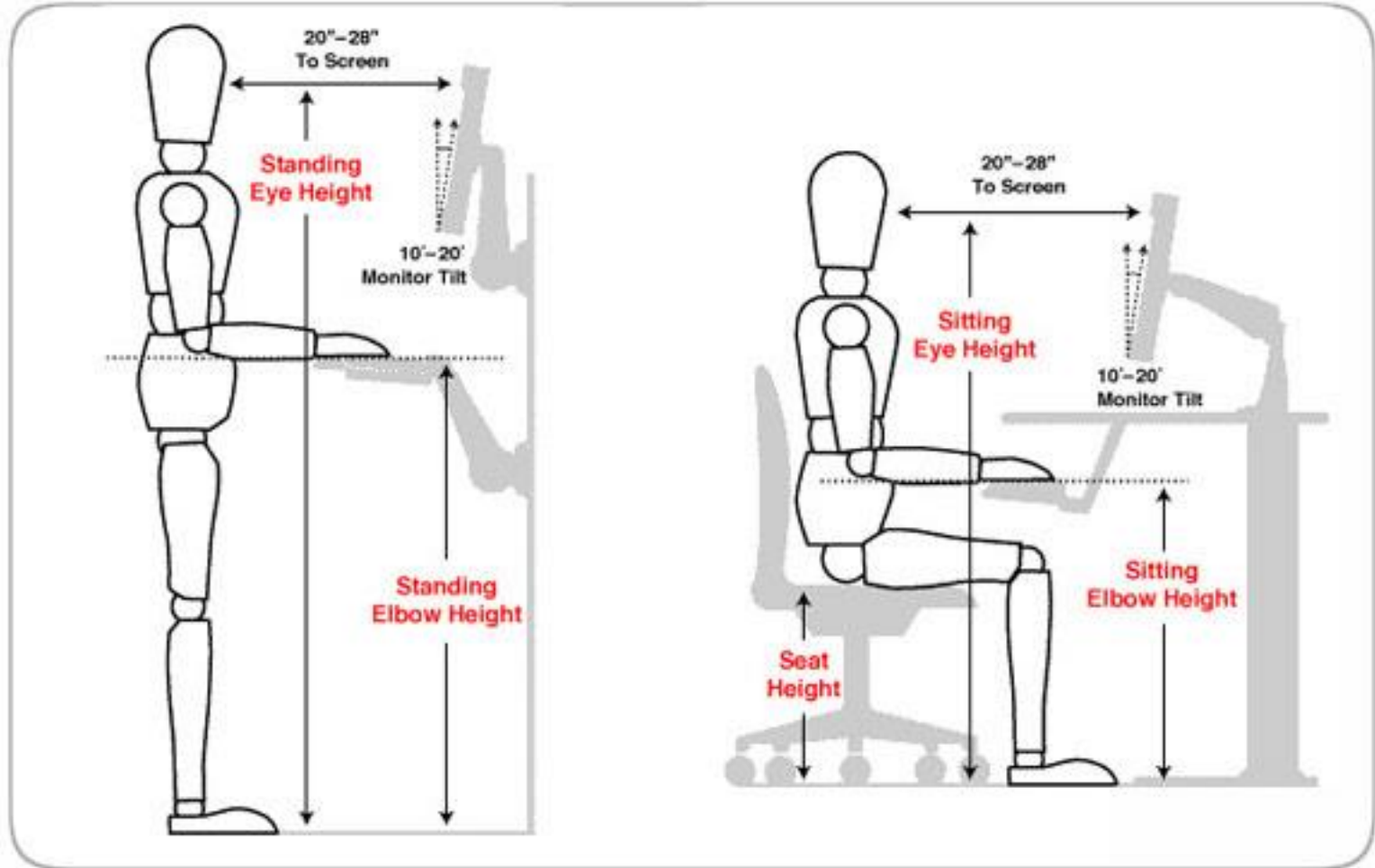
Ergonomics

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



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**



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

Under the Desk Cycle

- Improves Concentration
- Focus
- Burn Energy
- Quiet



Know Your Tablets

Mobile Tablets/ eReaders

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



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



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



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

On-line - iOS App - Android App

Provides key health trends for mood disorder

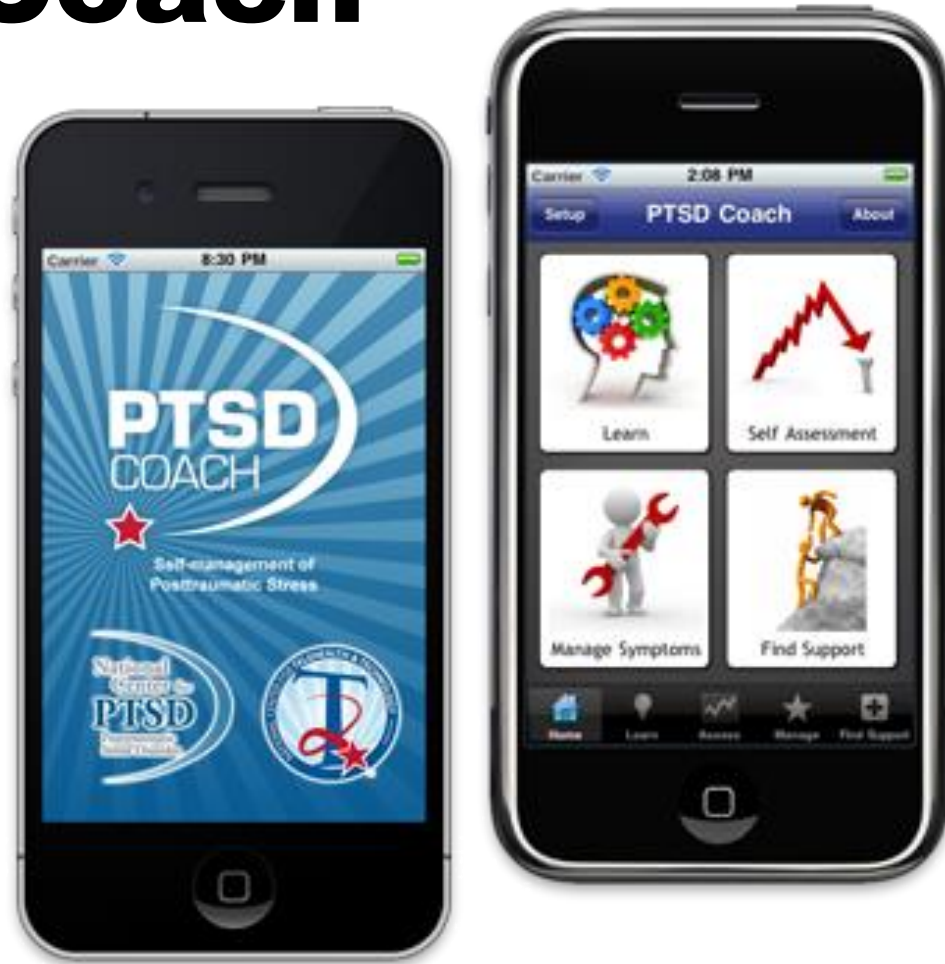
- **Overall Mood** – (depressed to manic)
- **Well-Being** – (cheerful, calm, active, rested)
- **Mood Disorder Symptoms** – (rate and comment)
- **Lifestyle** (including sleep, exercise, etc.)
- **Medication and Side Effects**
- **Physical Health**

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



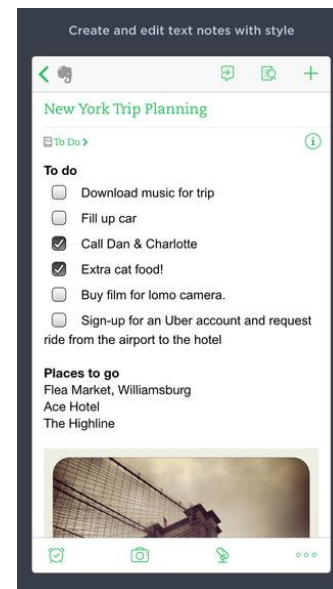
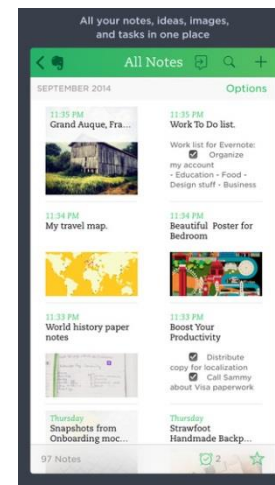
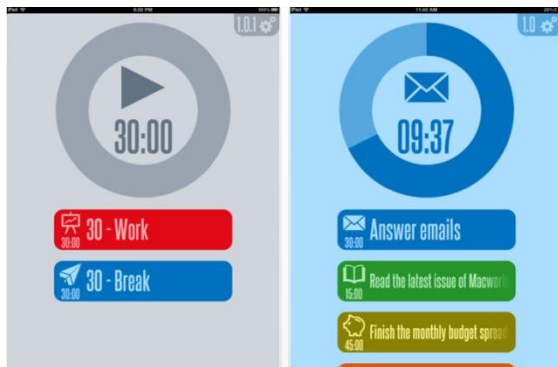


Behavior Trackers

- 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)

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

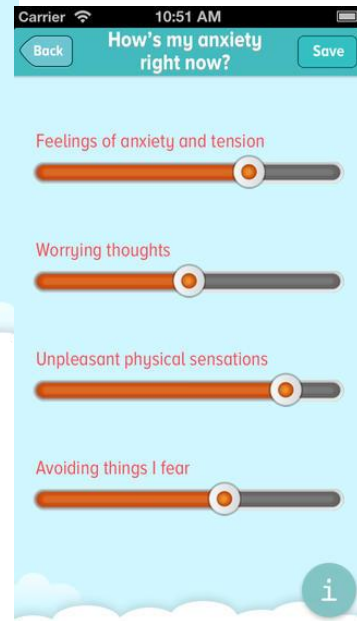
b-Calm

- 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)



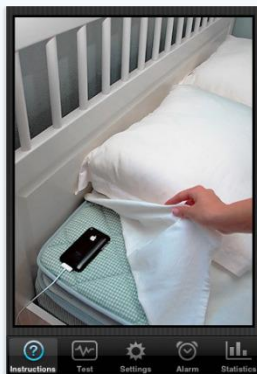
Mindfulness

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!

Amazon Echo

amazon echo

Always ready, connected, and fast. Just ask.



- Speech-controlled speaker system
- Voice recognition - further distances
- All functions are server side
- Compatible with many EC Brands
- \$179.99

Amazon Echo Success Stories!!

- https://www.youtube.com/watch?v=VA_1IUhVbQY



- <https://www.youtube.com/watch?v=fZ08LcDqyO4>



Philips Hue Light Bulbs

- Wifi Connected
- Dimmable
- Displays Over 16 Million Colors
- Compatible with Amazon Echo
- Color Starter Kit
\$174.99



Device Automation

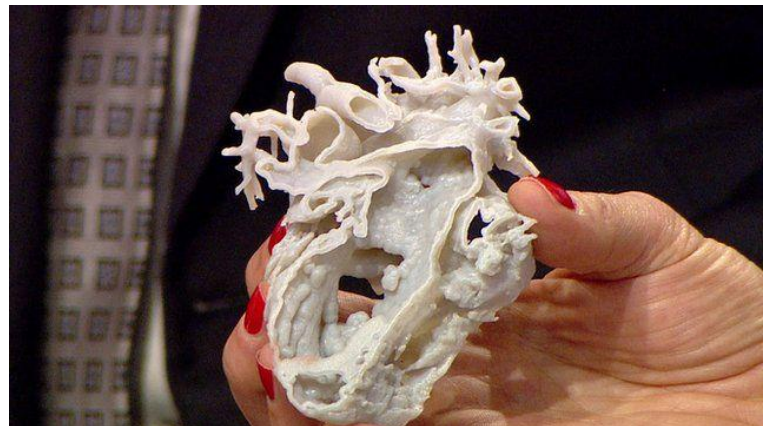
- Device automation is a type of application that allows you to really unleash your mobile device's capabilities.
- In a nutshell, an automation app is a program that tells your device "When this happens, do this!"
- "When something is plugged into the headphone jack, open my music app"
- "When I open the navigation app, turn GPS on"
- "When my phone is connected to this cell tower, turn on wifi and connect to my home wifi"

Fact!

If you can control your computer,
you can control your environment!

3D Printers

- Coming down in price
- Creating assistive technology for lower cost
- In classrooms
- Ability to feel how something looks
- Prosthetics
- Medical Advances



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

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



Meet NAO!



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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



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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.

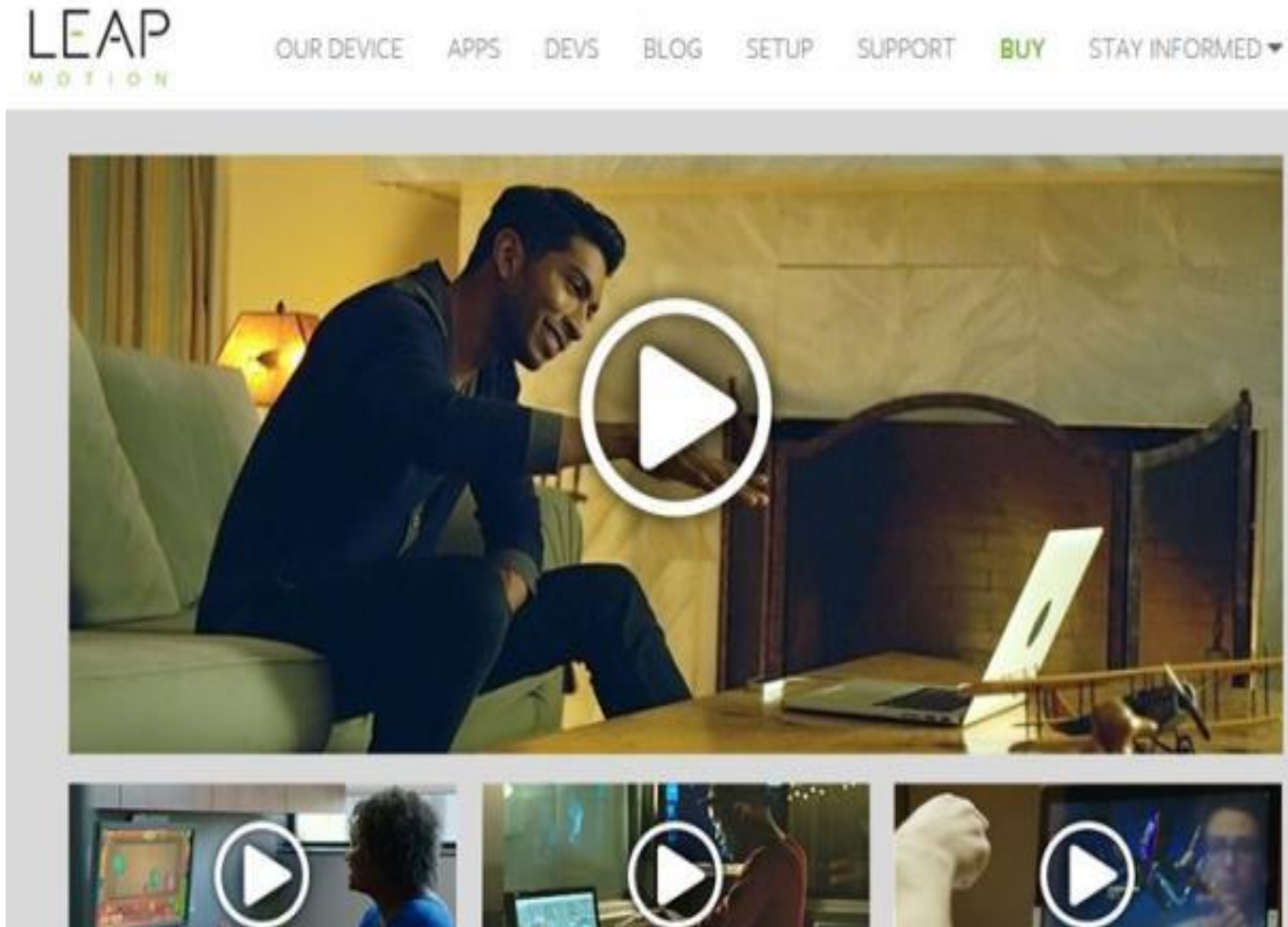


Microsoft Band

- 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

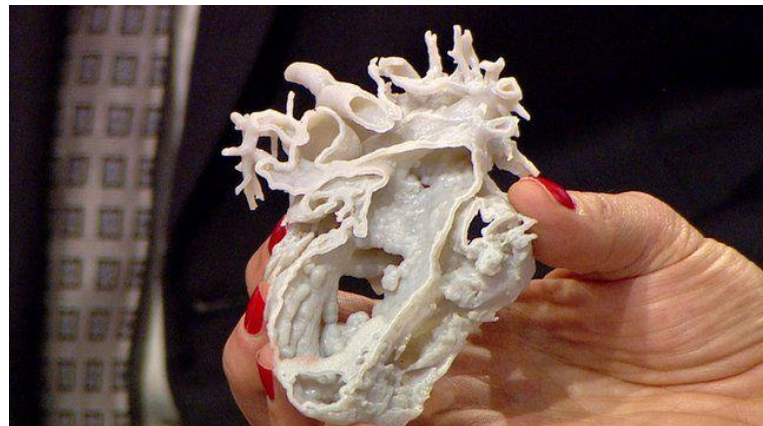


LEAP Computer Input



3D Printers

- Coming down in price
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- Prosthetics
- Medical Advances



Luna Lights

- Unique pressure pad that turns on small portable lights when someone gets out of bed
- Turn lights off when returns to bed
- Monitors- tell how often someone is getting up in the night
- Created to prevent and detect falls
- <http://www.lunalights.org/>



Halo Smart Labs

- Combined smoke/carbon monoxide alarm
- Embedded weather radio gives alerts on tornadoes, floods and hurricanes
 - Will continue to provide alerts up 7 days after power failure
- Uses a ring of light and voice alerts to tell you exactly what is wrong
- Receive notifications to your smartphone
- <http://halosmartlabs.com>



SleepSense

- Easily slip the flat, disk-like device under mattress
- When it detects you've fallen asleep, it can turn off lights and TV and lower air conditioning
- Will monitor heart rate, breathing and movement during sleep with 97% accuracy
- Information is transmitted to your smartphone app which gives you an "individual sleep
- App will provide advice on how to improve sleep



Toyota: Project BLAID

- Worn around the shoulders and aims to fill in the everyday gaps visually impaired users experience using canes, dogs and GPS devices
- U-Shaped
- help them identify everyday indoor items such as escalators, stairs and bathrooms
- built-in cameras will detect the user's surroundings and the device will communicate information using speakers and vibration motors
- be able to interact with the device using voice recognition technology and buttons
- eventually add mapping, object identification and facial recognition technology

Project BLAID Video

- <https://www.youtube.com/watch?v=sNoPV0epfHA>





Social Connectedness

A common myth is that gamers are isolated. The opposite is true.

The rise of multiplayer experiences online has given way to a new form of socializing in which players work together to solve problems.

Research has shown approximately 70 percent of all videogame players play with friends at least some of the time.

<http://www.apa.org/monitor/2014/02/video-game.aspx>

Stress Reduction

Games are a relaxing past time. Even stressful games played over time can reduce overall stress. A study conducted over six months, measured the heart rate of individuals as they played. The results show that the adrenaline response was reduced in individuals by over 50 percent.

<http://www.tamtu.edu/newsinfo/7-08-10/article5.shtml>

Xbox One with Kinect



- Control your entertainment with your voice
- Netflix, Skype, YouTube, Internet Browser, Music, Television, etc.
- Gesture Control
- Price varies depending on bundle.
- Xbox One ~ ~~\$350~~ \$299
- Kinect ~ \$100

FRU



- FRU is a puzzle platformer that features an innovative use of Kinect, in which your silhouette becomes a "portal" between two worlds.
- Encourages physical movement, activity, and cognitive function.
- Can be played individually or cooperatively.
- <https://www.youtube.com/watch?v=pH2zzMEBb7E>

Boogie Dice



- First self rolling, sound activated, programmable dice.
- Activated using sound.
 - Clap, snap, thump
- Set roll duration, LED colors and more.
- Smartphone app can also be used to activate the dice.

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TFL AppFinder



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

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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

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TOOLS FOR LIFE APPFINDER



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

AT ONLINE EXCHANGE





Tools for Life AppFinder

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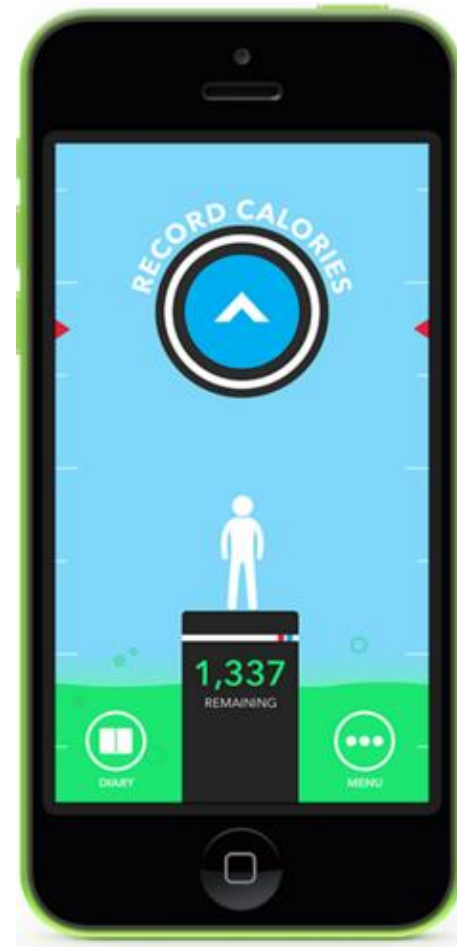
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- Hearing
- Cognition, Learning, Developmental
- Navigation
- Personal Care and Safety
- Productivity
- Communication
- Therapeutic Aids
- Vision



CARROT Hungry

- Free
- Sarcastic!
- Works well with Voiceover
- Keeps track of calories
- Lets you know how much exercise you will need to do



HearPlanet (Lite): Audio Guide to the World

- Speaks what is around you
- Learn about monuments. Historic sites, etc.
- Free; Upgrade to a paid version

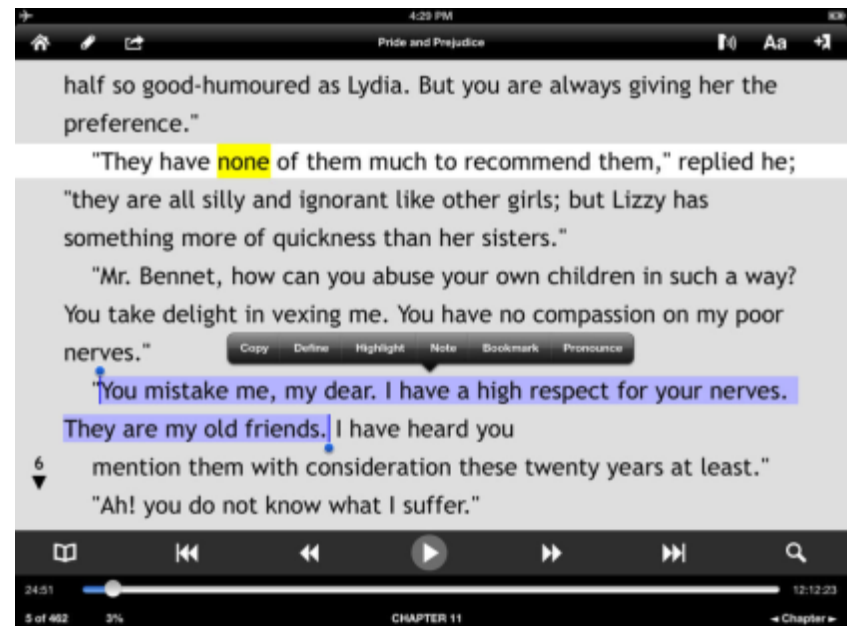


Voice Dream



- Text to Speech
- Highlights as it reads
- Import
 - Bookshare
 - Dropbox
 - Gutenberg
 - Word Doc
 - PDFs
- Buy different voices
- Change rate of speed

- Download for later reading
- \$9.99

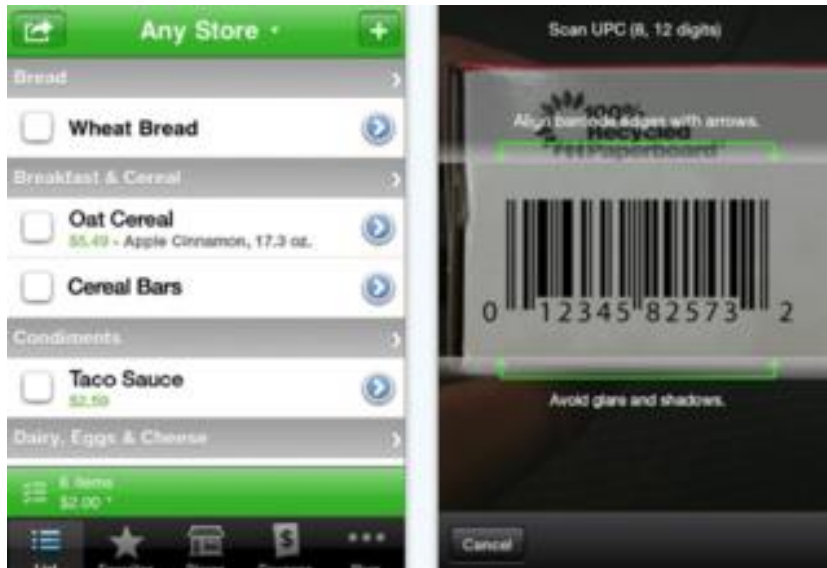


MyMedSchedule

- Keep track of medication
- Reminders
- Refill Reminders
- Healthcare Provider Profiles
- Insurance Information
- Allergies
- Works across Platforms
- Free
- www.mymedschedule.com



Grocery IQ



- Pictorial shopping list
- Customize different lists for different users using pictures on camera roll
- Add your own items and categories
- Assign item prices
- Assign item locations (for example, aisle numbers)
- Several accessibility options
 - text-to-speech
 - uses large easy-to-see images
 - item prices automatically totaled
- \$4.99

iZen Garden



- Choose from 100s of objects, plants and creatures to place in your garden
- Rake the sand and share your creations
- Helps you to center your mind, relax your psyche and relieve your stress



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

TOOLS *for* LIFE

Georgia's Assistive Technology Act Program



The Tools for Life Team



Carolyn Phillips

Director, Tools for Life

Carolyn.Phillips@gatfl.gatech.edu



Sarah Endicott

Research Scientist

sarah.endicott@design.gatech.edu



Danny Housley

AT Funding & Resource Specialist

Danny.Housley@gatfl.gatech.edu



Justin Ingham

Support Specialist

jingham3@gatech.edu



Ben Jacobs

Accommodations Specialist

Ben.Jacobs@gatfl.gatech.edu



Krista Mullen

Speech Language Pathologist

krista.mullen@gatfl.gatech.edu



Samantha Peters

Support Specialist

seters37@gatfl.gatech.edu



Liz Persaud

Training and Outreach Coordinator

Liz.Persaud@gatfl.gatech.edu



Martha Rust

AT Specialist

Martha.Rust@gatfl.gatech.edu



Rachel Wilson

AT Specialist

Rachel.Wilson@gatfl.gatech.edu