



AT102: Back to the Basics Tablets, Apps and LD

Carolyn Phillips & Martha Rust, Tools for Life
With contributions from Liz Persaud, Ben Jacobs & Ben Satterfield

www.gatfl.org

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

**LDA Conference
2015**



www.amacusg.org

Description

- **AT102: Back to the Basics-Tablets, Apps and LD** will continue the conversation and provide a more in-depth look into the many options available to us today.
- We've all heard the phrase, "There's an app for that!" but where do you start? What device is best for you? What applications work best for different situations? In this session we explore:
 - *The differences between Android, Apple & Microsoft Surface*
 - *A closer look at tablets and accessibility*
 - *A few of our favorite apps for the classroom and daily living*
- Join us as we dive a little deeper with specific solutions for use in the classroom and daily living.

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

Agenda

- Understanding the Differences between Android, Apple and Microsoft
- Closer Look at Tablets
- Considering Accessibility
- Access the Tools For Life AppFinder
- Exploring a Few of TFL's Favorite Apps



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

Tools for Life Mission

We're here to help Georgians with disabilities gain access to and acquisition of assistive technology devices and assistive technology services so they can live, learn, work, and play independently in the communities of their choice.



Which One???



LET'S TAKE A LOOK AT SOME OPTIONS & CONSIDER ACCESSIBILITY



Samsung Galaxy Tab 3



- Android System
- 7, 8, or 10 in screen
- Camera
- Micro card
- Wi-Fi
- USB for computer
- Some built-in accessibility app
 - Download others
- Starts at \$199.99

Kindle Fire HD/HDX

- eBook Reader and mobile tablet
- Front facing camera
- Access to Amazon apps
- Free cloud storage for Amazon purchases
- Purchase Apps
- 7inch or 8.9 inch screen
- 'Mayday' button HDX
- Starts at \$139- HD
- \$199- HDX



Kindle Fire HD/HDX

- Download Books and Movies
- Access to Amazon
- Front Facing Camera
 - Skype
- Can Read Books out loud
 - If book has this feature enabled
 - Check on product details page
 - Whispersync for Voice
 - Immersion Reading
- Mayday Button
- Can Change:
 - Font
 - Line Spacing
 - Text Size
 - Background color



Layout of the Kindle Fire HD

- External Speakers

- Power Button

- Charger

- Headphone Jack



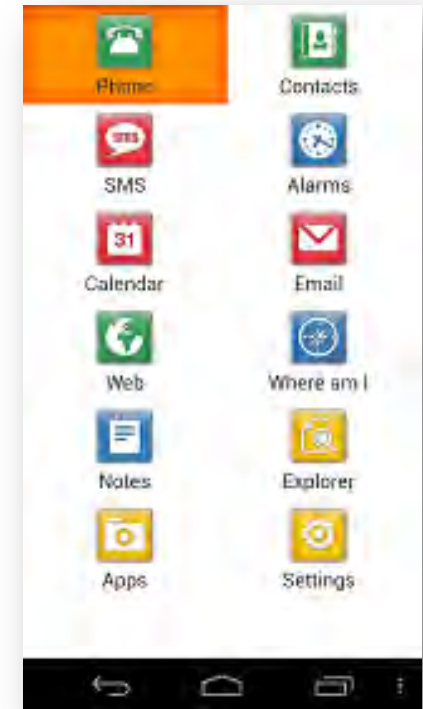
Android Tablets

- Accessibility features are not built in
 - Talkback, Kickback, and Soundback
 - Gesture Feature in Jellybean
 - Eyes - free keyboard
 - IDEAL Web Reader for internet
 - No zoom or contrast right now
- What operation system is tablet running
 - Jellybean, Ice cream sandwich, Honeycomb, Gingerbread
- Google Play Store to buy apps
 - Must have Gmail address
 - Can use Amazon gift cards
- Not the best to use with someone who has low vision and/or blind or cognitive disabilities

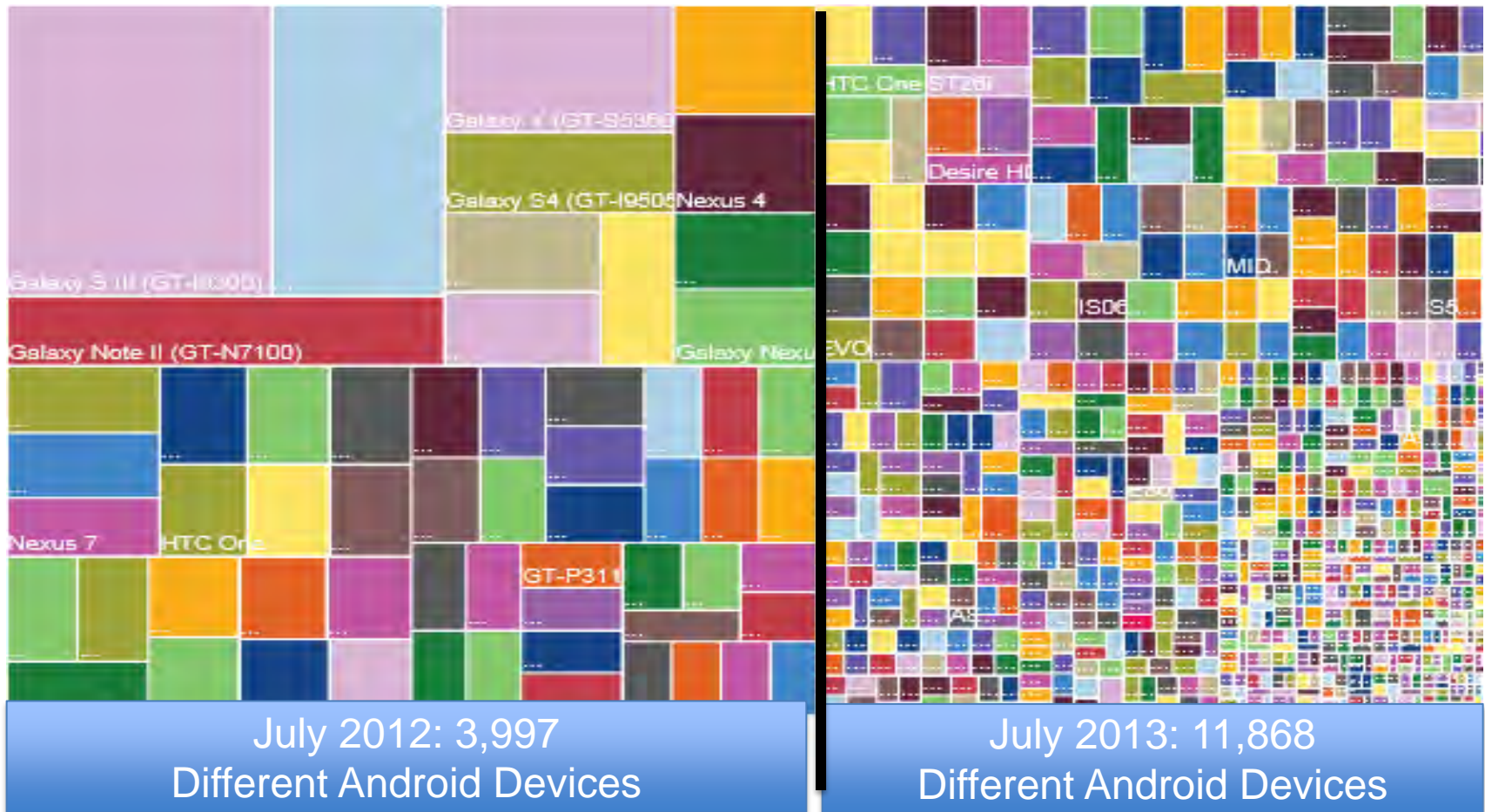


Accessible Android Apps

- Big Launcher- icons look darker and text is larger
- Vlingo Virtual Assistant and iris. (alpha)- voice command apps
- Text to Speech Toy- Text-to- Speech
- Eyes-free keyboard
- IDEAL web reader
- Code Factory - Mobile Accessibility Suite for AT&T users
 - 12 different apps / 30 day free trial -\$99
- www.androidaccess.net



Android Device Fragmentation



The Future of this OS is Limitless

- Google has the futuristic ambition and the funds to take Android to unprecedented heights. In many areas — such as predicting what users will do next.
- Google Now knows that in the morning you're getting ready for work and will tell you about the traffic.

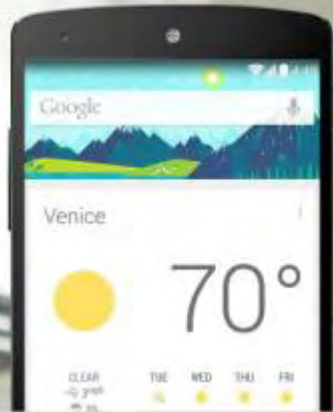
Google Now

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.



Assistance around the clock

Technology Changes Fast

- June 2007- 1st iPhone
- Sept 2007- 1st generation iPod Touch
- October 2008- 1st Android phone sold
- April 2010- 1ST iPad
- 2010- Google launched its Nexus series of tablets and smartphones
- 50 billion downloads!





Statistics

- There are approximately 73 million iPhones in the world.
» *Apple, 2012*
- In 2010, Apple reported that over 1000 new apps are submitted every day.
- In 2012, 400 million iTunes accounts
» *Y. Lachelle, Aug., 2010 and H. Dediu, June 2012*
- Apple receives about 49.5 Million App downloads per day!
» *H. Dediu June 2012*



Apple iPad/ mini iPad

- Multi- touch screen
- New iOS 7
- Millions of apps
- Surf web
- iTunes
- Videos
- Organization
- Accessibility
- Books
- Photos
- Speakers
- New iPad had 5.0 megapixel camera
- Starts at \$499/\$399 and mini \$329



Apple iPod Touch

- 5 Megapixel Camera
- Millions of apps
- Videos
- Surf Web
- Voice Over
- Organization
- Speakers
- Bluetooth
- New iOS 7
- Starts at \$299 / \$199 4th gen



Layout of the iPad

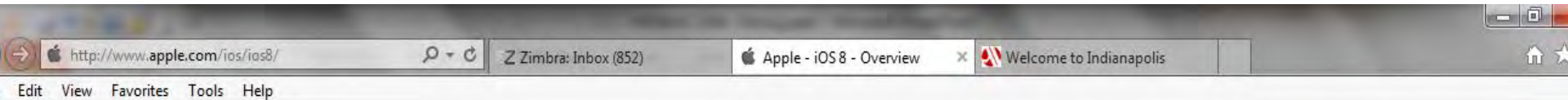


Built-in Accessibility Features

- VoiceOver
- Zoom
- Large Text
- Invert Colors
 - (white on black)
- Speak Selection
- Speak Auto Text
- Mono Audio
- Assistive Touch
- Guided Access
- Home-Click Speed
- Incoming Calls
- Braille Displays



iOS 8 - Fall 2014



iOS 8 Preview

What's New ▾



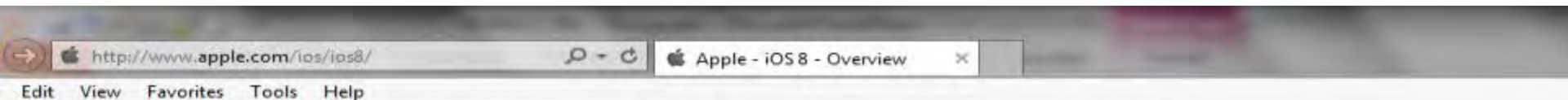
Our smartest keyboard ever.

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 >](#)



iOS 8 - Fall 2014



iOS 8 Preview



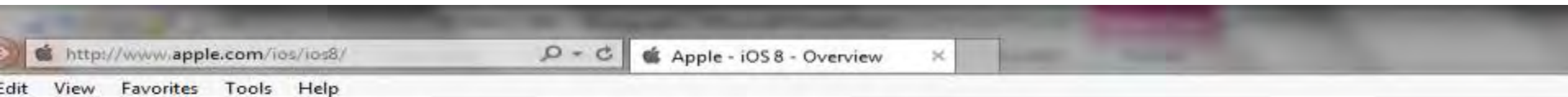
iCloud Drive.
Any kind of file.
On all your devices.

The good news: You can work on any file, anywhere. The bad news: You can work on any file, anywhere. That includes presentations, PDFs, images, and more — right from iCloud. On whichever device you're using, including your Mac or PC.

[Learn more >](#)



iOS 8 - Fall 2014



iOS 8 Preview



Health.
An entirely new way
to use your health and
fitness information.

Now your activity tracker, heart rate monitor, and other health and fitness apps can talk to each other. Which means they'll be able to work even harder for you. And all the information is accessible in one easy-to-read dashboard.

[Learn more >](#)



VoiceOver

- Standard feature on iPhones, iPads, and iTouches
 - World's first gesture-based screen reader
 - **DOES NOT WORK WITH ALL APPS**
 - Does not work with many eBooks or textbooks
 - Works with built-in apps
 - Built-in voices that speak 36 languages
- Adjustable speaking rate
 - Echoes each character as you touch it when typing or can speak completed word instead.
 - Speak Auto-text
 - Has the rotor
 - Works with all built-in applications

Assistive Touch

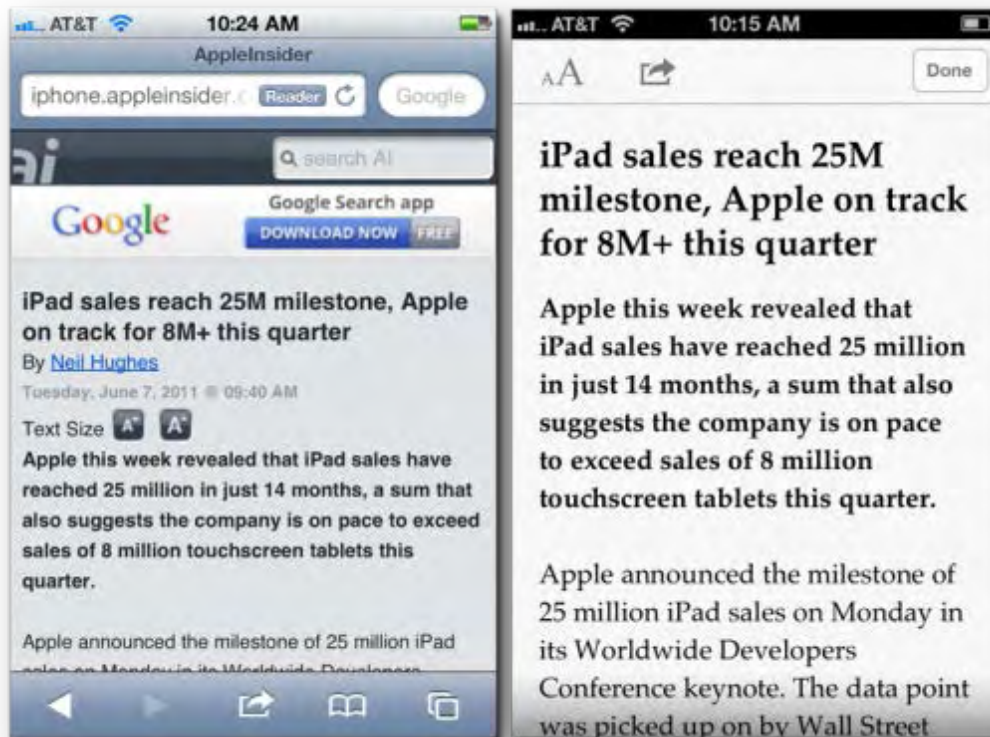
- Lets you enter Multi-Touch gestures using one finger or stylus
 - Create custom gestures
- Supports the use of adaptive input devices
 - Headsets and switches
- Change Tracking Speed



Creating Keyboard Shortcuts

- Go to General => Keyboard and make sure Shortcut is turned on
- Go to Add New Shortcut
- Put in your Phrase
- Create Short Cut
- Example:
 - Phrase : Tools for Life – Georgia's Assistive Technology Act Program
 - Shortcut is: TFL
 - So when TFL is typed it will put in the above Phrase
 - OMW => On My Way!

Reader for Websites



- Read articles and web pages without distractions
- Clutter disappears
- Add link into Reading List and finish later

Guided Access

- Helps remain on task and focus
- Limit to one app / turn off home button
- Restrict touch input on certain areas of the screen



Refurbished Tablets

- If you do not need the latest and greatest consider an older models for a discount
- Want to make sure that refurbish tablets have been certified
- Look for at least 1 year warranty
- Many places now sell
 - Apple
 - BestBuy
 - Amazon



Surface Pro 3



[Sign In](#) | [Sign Up](#)

Search this site



Microsoft
Surface

[Why Surface](#) ▾ [Products](#) ▾ [For Business](#) ▾ [Where to Buy](#) ▾ [Support](#) ▾

[Surface Pro 3](#)

[Power and performance](#)

[Best of a tablet](#)

[Windows, Office, and Apps](#)

[Great Pen experience](#)

[Buy now](#)



Ready to switch? Trade up your MacBook Air for a Surface Pro 3 now.

[See offer](#)

PORTABILITY

PROCESSING POWER

MULTITASKING



Surface Pro 3



Weighs a mere 2.4lbs and is only 0.55" thin with the keyboard² attached



Choose from Intel® Core™ i3, i5, or i7 processors



With Windows 8.1 Pro, you can snap up to 3 apps or desktop programs side by side to multitask with ease



13" MacBook Air



Tips the scales at 2.96lbs and is 0.68" thick



Available with Intel® Core™ i5 and i7 processor options



OS X offers no support for snapping 2 apps side by side, but does allow you to multitask.



Surface Pro 3



- Pro
 - 30 day trial of MS Office
 - Ability to download software
- Open 3 Windows
- Tiles
 - Start screen
- Charms
 - Right hand side

Runs Windows,
Office, desktop
apps, and
browsers

Surface Pro 3 comes with Windows 8.1 Pro which means you can install your favorite desktop software, including the full Microsoft Office Suite and thousands of other essential programs for business and creativity.

Buy now



Layout of Surface

- Power Button

- Camera

- Speaker

- Micro USB

- USB

- Charger

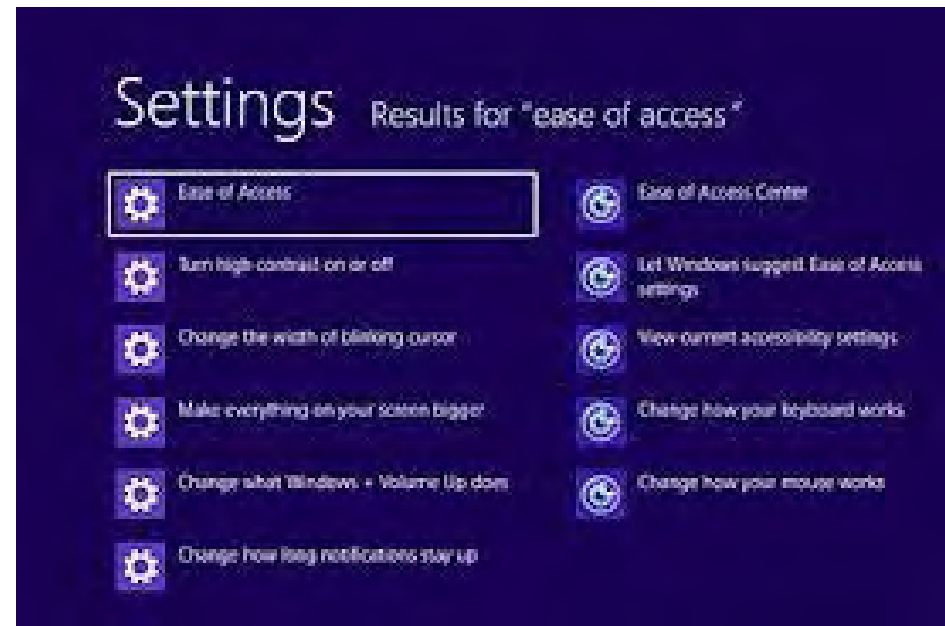
- On Left Side

- Speaker
- Headphone Jack
- Volume control



Accessibility of Surface

- Uses Windows 8
 - Ease of Access
- Narrator
- Magnifier
- On-Screen Keyboard
- Windows Speech Recognition



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



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



Understand Your Options to Get the AT You Need

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](#)

ATLANTA ABILITIES EXPO

Abilities EXPO

**MAR
14**

Georgia World Congress Center
Hall C4
Atlanta, GA

WEBINARS

**FEB
6**

[Choosing Core AT Inventory for
the Classroom](#)

**FEB
18**

[Two Peas in a Pod: IEP
Objectives & Standards Based
Instruction](#)

**MAR
6**

[TFL & Center for AT Excellence
TBD](#)

Current Webinar Schedule

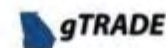
Webinar Archives

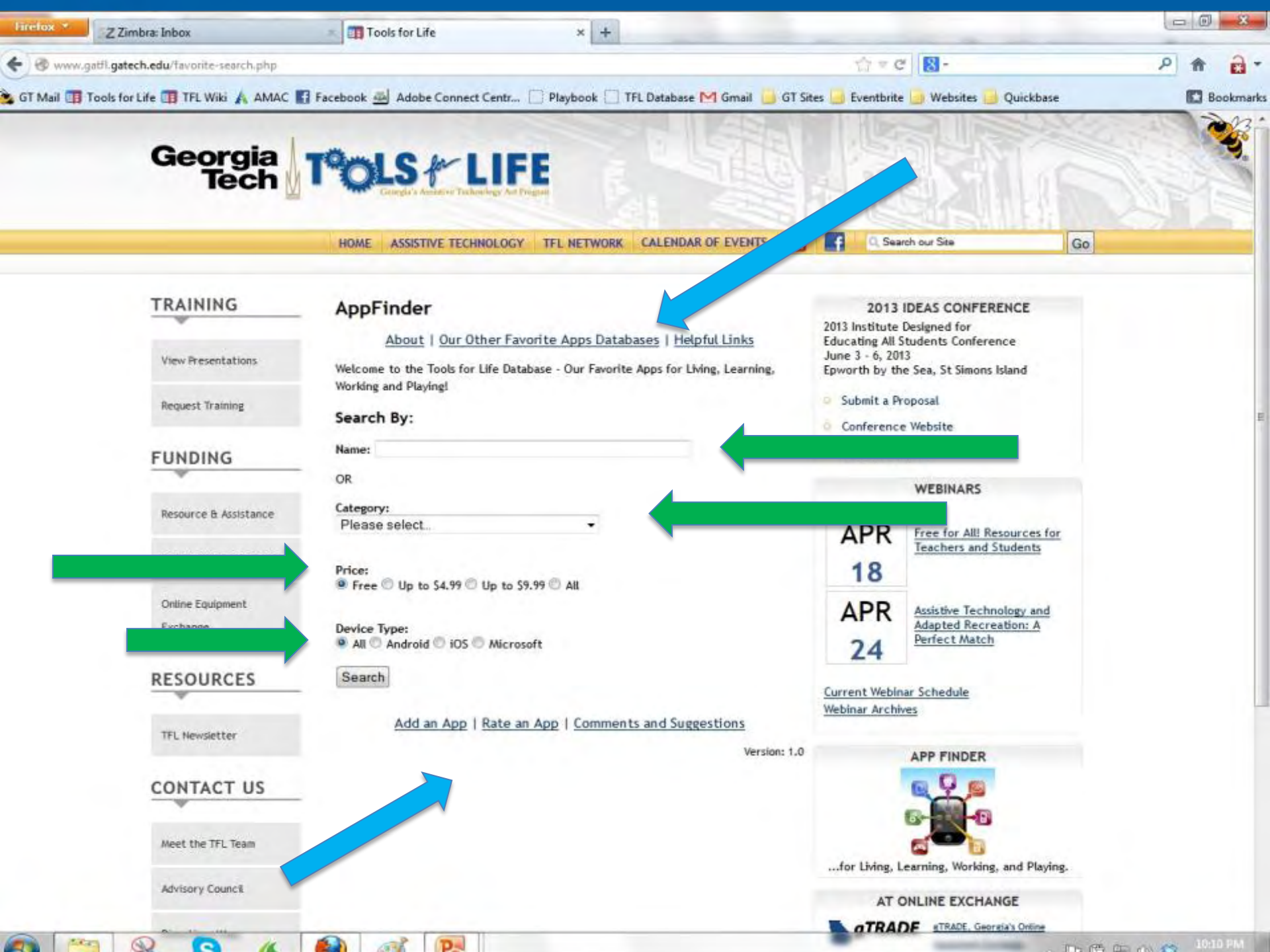
TOOLS FOR LIFE APPFINDER



...for living, learning, working, and playing.

AT ONLINE EXCHANGE





TRAINING

View Presentations

Request Training

FUNDING

Resource & Assistance

Online Equipment
Exchange

RESOURCES

TFL Newsletter

CONTACT US

Meet the TFL Team

Advisory Council

AppFinder

[About](#) | [Our Other Favorite Apps Databases](#) | [Helpful Links](#)

Welcome to the Tools for Life Database - Our Favorite Apps for Living, Learning, Working and Playing!

Search By:

Name:

OR

Category:

Price:
☒ Free ☐ Up to \$4.99 ☐ Up to \$9.99 ☐ All

Device Type:
☒ All ☐ Android ☐ iOS ☐ Microsoft

[Add an App](#) | [Rate an App](#) | [Comments and Suggestions](#)

Version: 1.0

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](#)

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



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

AT ONLINE EXCHANGE

[aTRADE](#) [aTRADE](#), Georgia's Online



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](#)

My Favorite Apps

You searched for: Learning, Cognition, and Developmental

Logo	Name	Category	Device Type
	<u>tango Video Calls</u> Tango brings you free, high-quality mobile voice and video calls over 3G and Wi-Fi! Millions of people around the world are using Tango in an exciting new way. It	Learning, Cognition, and Developmental	iOS
No Ratings			
	<u>i-prompt</u> Professional Tele-prompting software for your iPhone or iPod Touch.	Learning, Cognition, and Developmental	iOS
No Ratings			
	<u>Dragon</u> Dragon Dictation is an easy-to-use voice recognition application powered by Dragon	Learning, Cognition, and Developmental	iOS
 			
5 stars by 1 users			
	<u>iBooks</u> iBooks includes the iBookstore, where you can download the latest best-selling books or your favorite classics	Learning, Cognition, and Developmental	iOS
No Ratings			
	<u>Say Text</u> SayText reads out loud the text in the image. It is intended for the visually impaired users. SayText is a free spin off product from the DocScanner team.	Learning, Cognition, and Developmental	iOS

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



...for 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.

SOME OF OUR FAVORITE APPS!



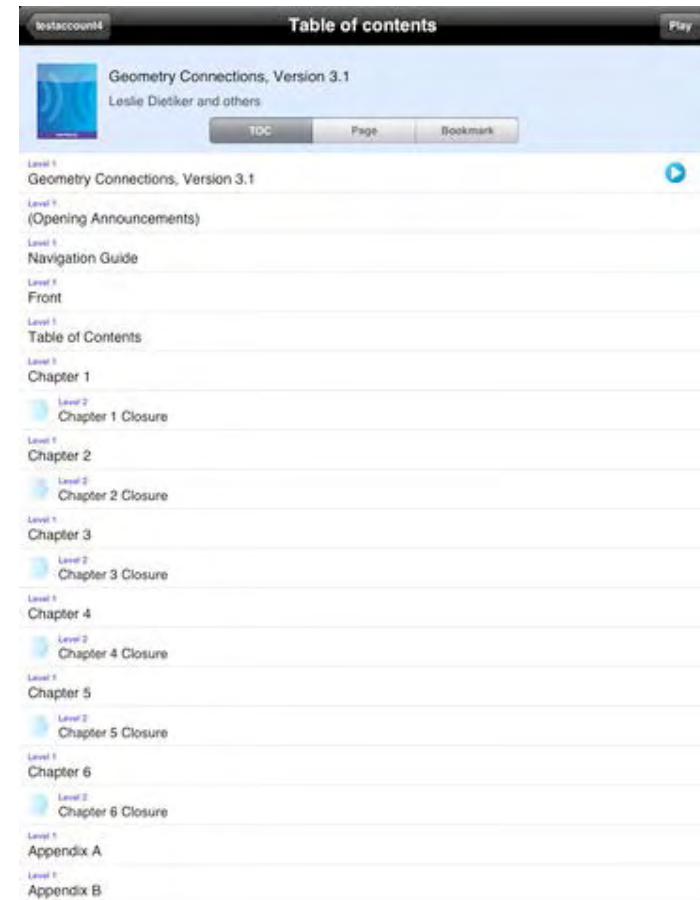
IPAD APPS TO SUPPORT BLOOM'S REVISED TAXONOMY

ASSEMBLED BY KATHY SCHROCK

C	CREATING	 Storytelling	 Video Editing	 Videocasting	 Mixing	 Animating	 Podcasting
E	EVALUATING	 Moderating	 Conferencing	 Networking	 Posting	 Collaborating	 Critiquing
An	ANALYZING	 Outlining	 Structuring	 Organizing	 Surveying	 Deconstructing	 Mashing
Ap	APPLYING	 Interviewing	 Simulating	 Demonstrating	 Presenting	 Editing	 Illustrating
U	UNDERSTANDING	 Categorizing	 Annotating	 Tweeting	 Blogging	 Subscribing	 Explaining
R	REMEMBERING	 Recalling	 Listing	 Bookmarking	 Searching	 Mindmapping	 Word Processing

Learning Ally

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



Audible.com

- Digital audiobooks
- Read by Hollywood stars, authors, and professional narrators
- Listen anywhere
- Over 150,000 titles
- Membership
 - \$14.95/ month for one book

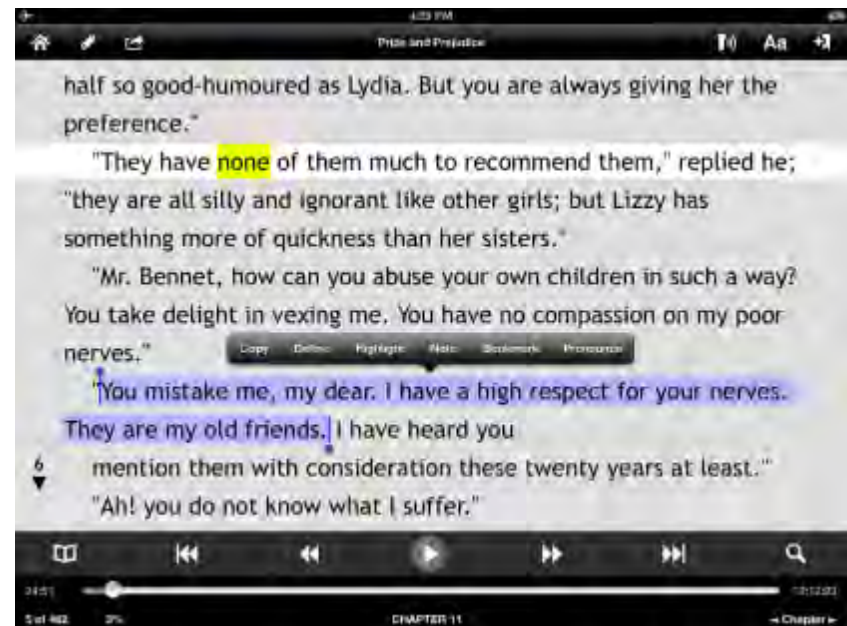


Voice Dream



- 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



Some Surface Apps

- Maluuba
 - Personal assistant app
- Barcode Generator
 - Free way to create your own barcodes

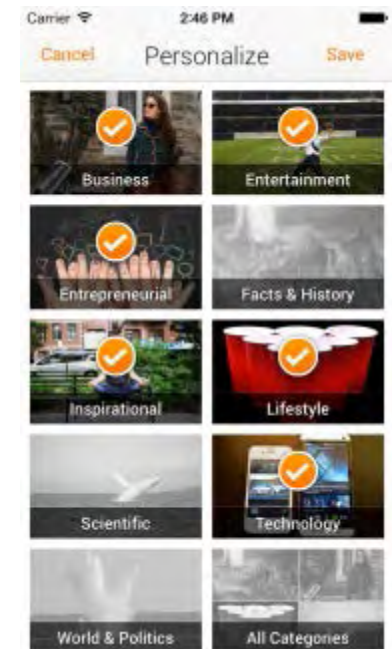
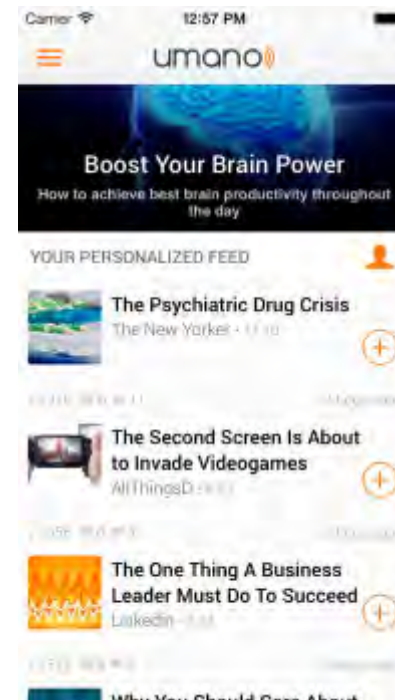


- Apollo
 - Can be a calendar
 - See when the sun sets and rises

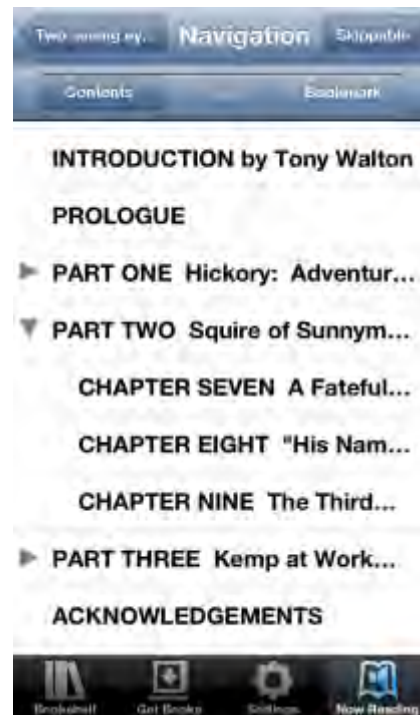


Umano

- News read to you by real people
- Make a playlist of articles
- Download to listen to offline
- Upgrade to premium for \$3.99/ month
- Free

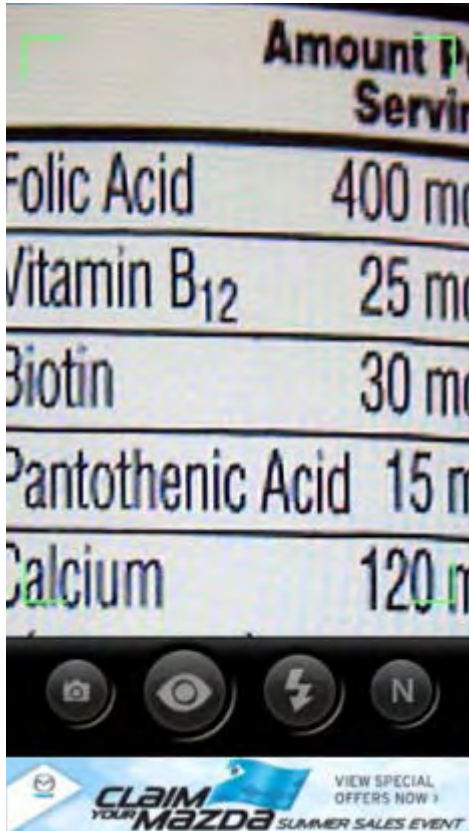


BARD Mobile



- Access directly to the National Library Service for the Blind and Physically Handicapped (NLS)
- Must be registered
- Settings
- Can use with braille display
- <http://www.loc.gov/nls/find.html>
- Free

Magnify



- FREE
- Turns Android phone into a digital magnifying glass with built-in flashlight
- Can use gestures anywhere on the screen:
 - Double-tap: Zoom out/in
 - Single-tap: Focus
 - Long-press: Turn light on/off



MyMedSchedule



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



Ginger App



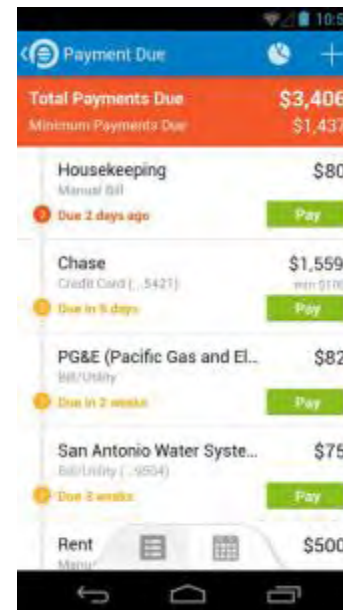
- Free
- Grammar and Spell checker
- Personal Assistant
- Use it to correct text messages, Whatsapp messages, Gmail and Outlook emails, and even social media apps such as Facebook



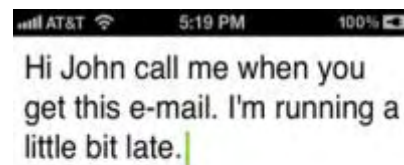
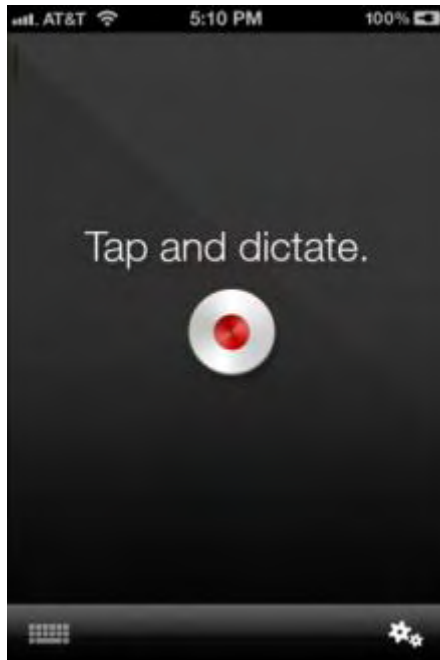
Pageonce



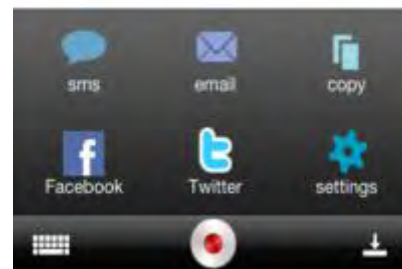
- Free
- Keep track of your cash and credit cards
- Pay your bills
- Real-time alerts and reminders about upcoming bills, overage charges, and suspicious transactions
- Understand your debt



Dragon Dictation

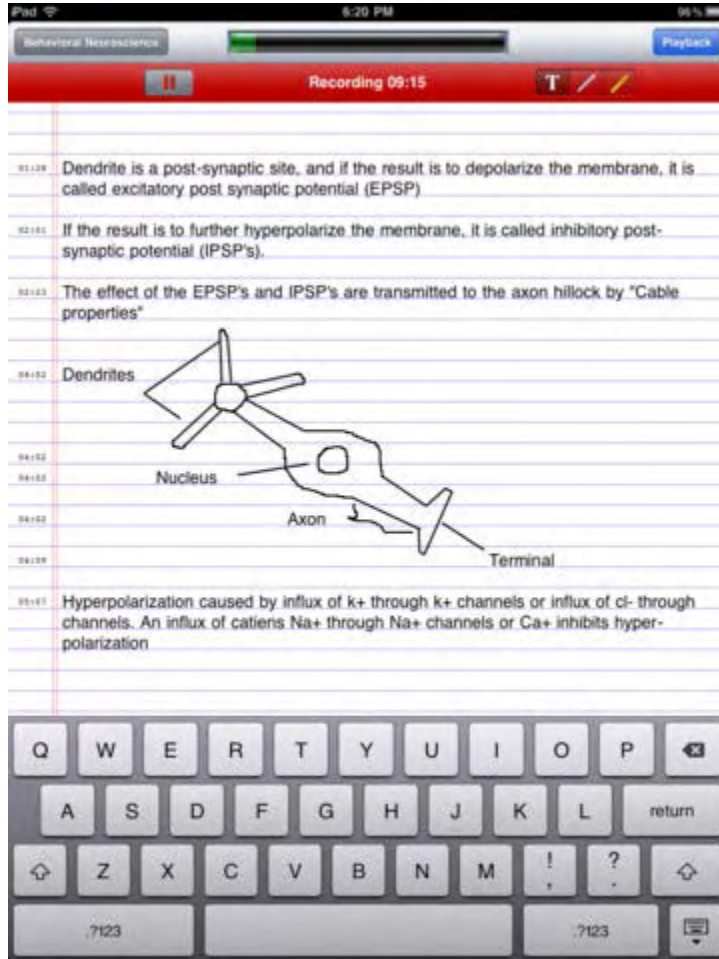


Hi John call me when you
get this e-mail. I'm running a
little bit late.



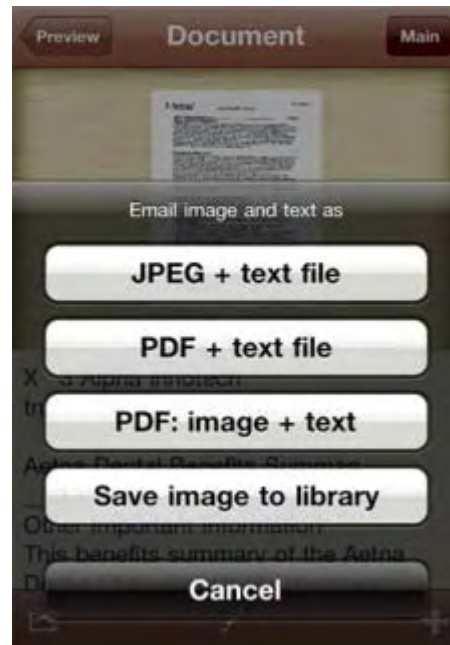
- Voice Recognition
- Free
- Dictate notes, emails, Twitter, and Facebook
- Supports many languages
- Cut, Copy, Paste
- Android
 - Dragon Go!
 - Dragon Hands Free Assistant

AudioNote



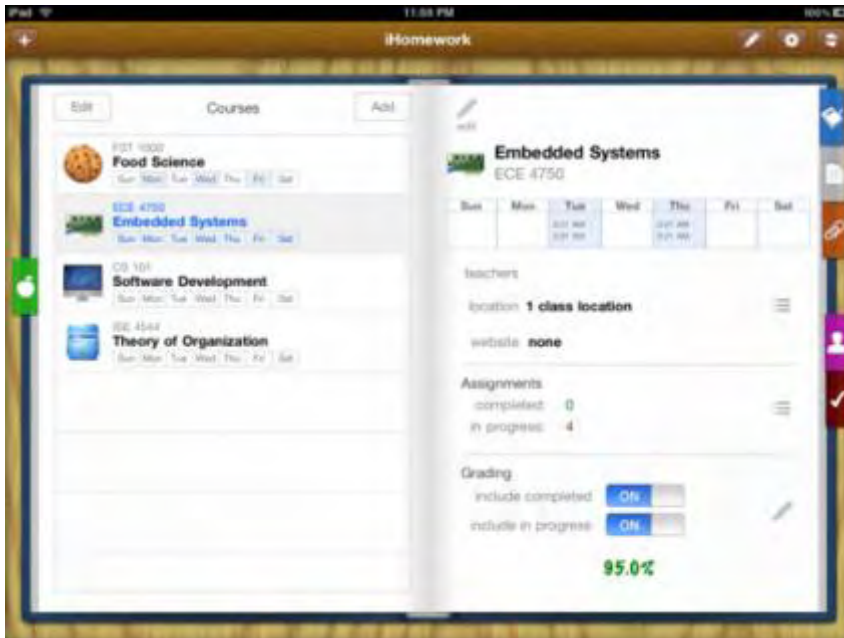
- Records your notes, meetings or lectures
- Can take notes by typing, stylus, or drawing
- Time stamps so you can go directly to where you want to hear
- Highlights notes when read back
- \$4.99

Perfect OCR



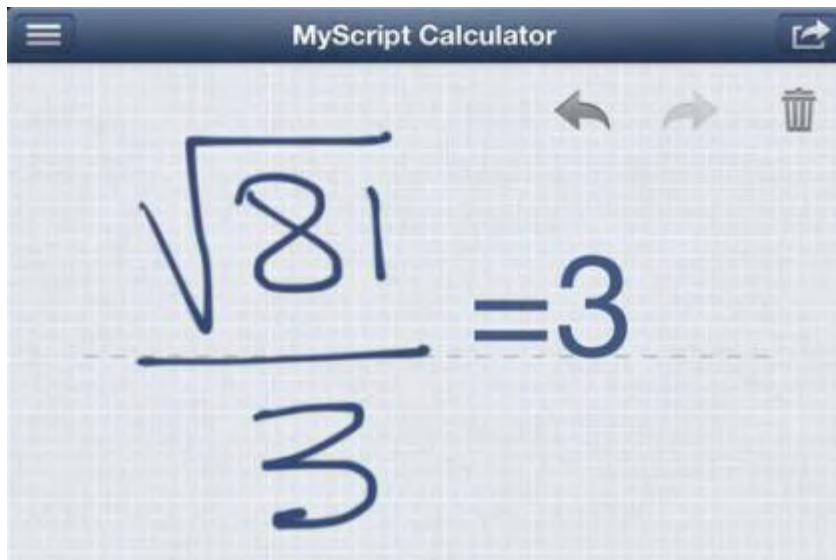
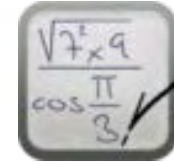
- \$3.99
 - Uses the built in camera to scan documents
- Edit, copy, store, email documents
- Upload to online storage is as Evernote
- Does take practice for picture

iHomework



- Keep up-to-date with your school work, grades, to-do's, teacher's information
- School organizer that can be with you anywhere you go, whether that be on your iPhone/iPod touch, iPad, or Mac

MyScript Calculator



- Use your handwriting to write any arithmetic formula
- Write and calculate mathematical expressions in with no keyboard
- Scratch-out gestures to easily delete symbols and numbers
- Portrait and landscape operation
- Redo and undo functions

Money Counter Calculator

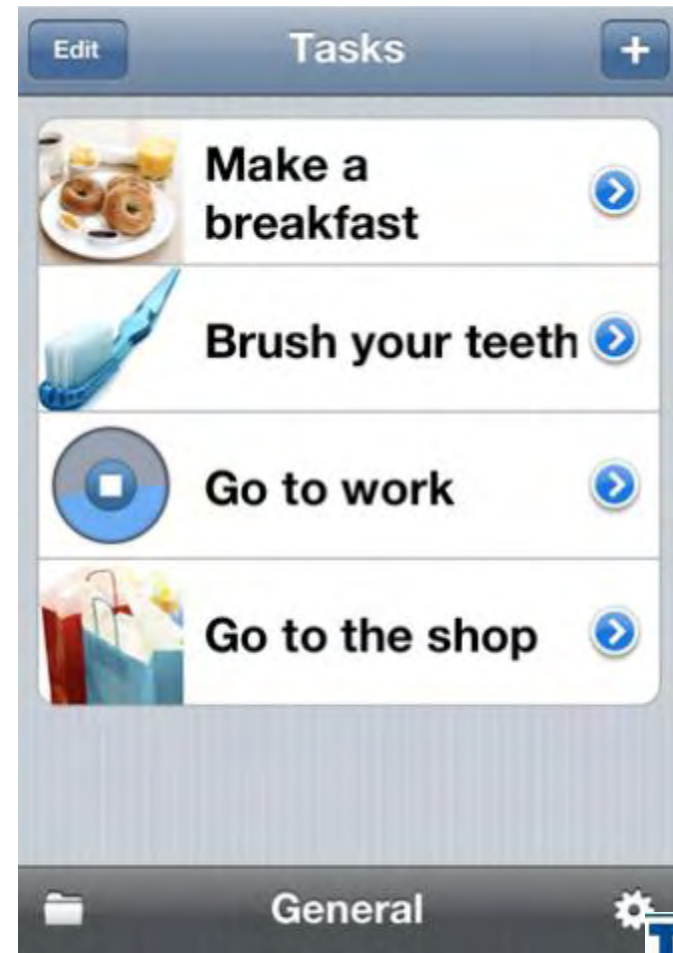
- iPad only
- Enter amount of coins and dollars and total is provided
- Free



Picture Scheduler

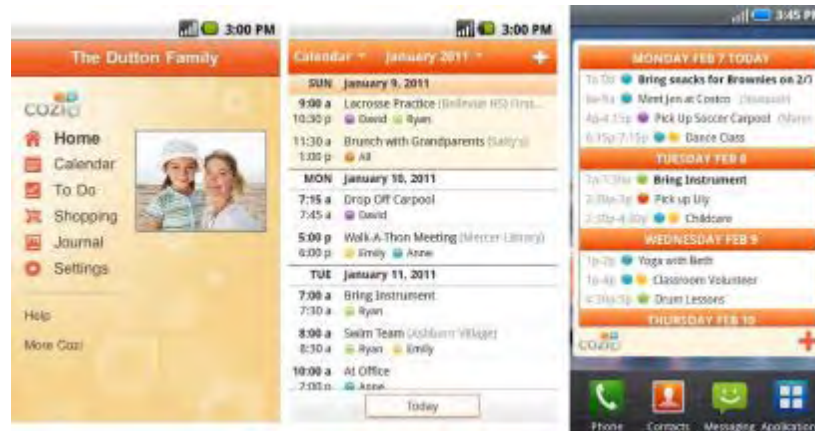


- Create visual tasks with attached audio, video or picture
- Tasks can have alarms
- Alarms can be repeated daily, weekly, monthly or you can select specific weekdays
- Tasks can be organized into categories with a picture
- Can hide task and reveal later



Cozi

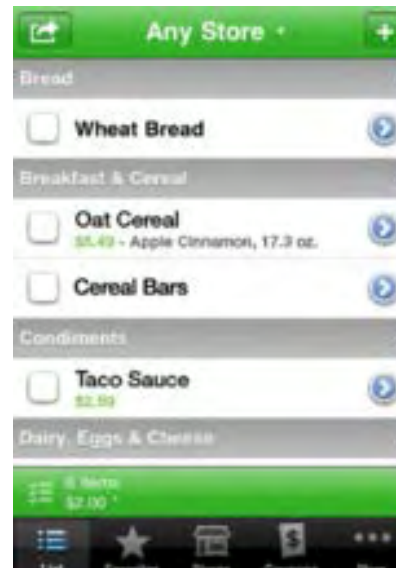
- Free
- You can access from a computer, smartphone or tablet
- Manage a family calendar and set reminders.
 - Add an appointment and it uploads to your Cozi account so everyone can see it.
- Get your grocery shopping lists when you're at the store, even when offline.
- Add a to do list item right when you think of it and have it right there in your pocket to remind yourself.
- Jot down a memory as it happens in the journal.
 - Add a photo from your library to capture the moment.
- Add and edit non-repeating calendar appointments, shopping lists, and to do lists while offline.



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



Fooducate



- Track calories
- Provides healthier options
- Educates on food ingredients
- Save favorites
- Create lists
- App for allergies and gluten-free
- App for diabetes nutrition
- Free
- www.fooducate.com



Sleep Cycle

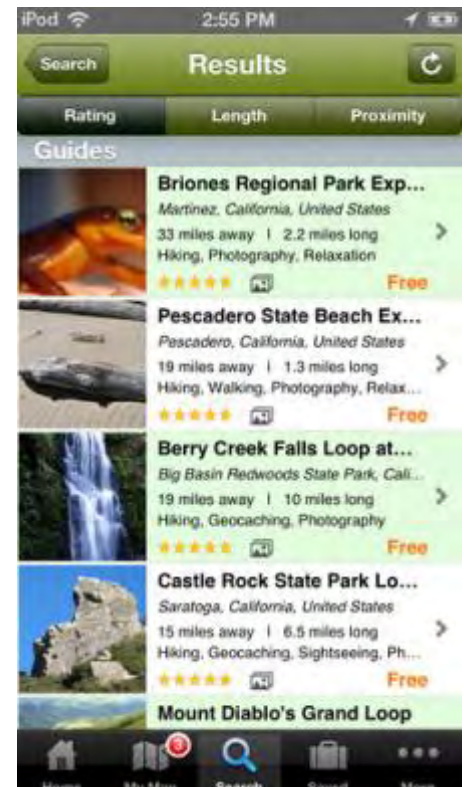
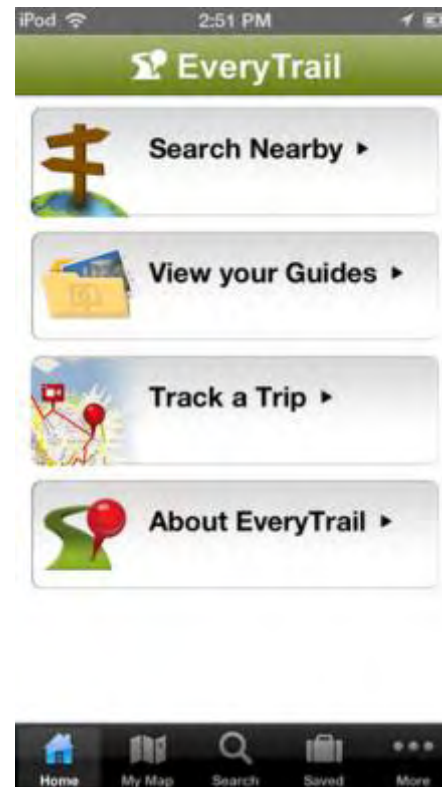


- Tracks your sleep patterns
- Uses iPhone accelerometer to track how often you move at night
- Set an alarm range
- Woken up gradually when you are in like sleep
- Feel refreshed and energized
- \$2.99

EveryTrail



- Tracks route using your iPhone GPS
- Use with walking tours, biking, running, hiking, sailing and driving
- Travel map is visible and drawn while trip is in progress
- Plot camera photos and video on map instantly
- View stats (distance, speed, elevation and more) while tracking
- View topography and terrain maps on iPhone
- Download maps for offline viewing
- Free



iMovie



iMovie

Filmmaking doesn't get more indie than this.

Mini-masterpieces. Made on location.

Make beautiful HD movies anywhere with iMovie, the fun, feature-rich video editing app that's designed for iPhone 4. Create a video postcard of your day at the beach and publish it to the web without leaving your spot on the sand. Or make a movie of your child's birthday party and send it to your parents while the party is in full swing. You can start several projects on your iPhone 4 and finish them whenever you want and wherever you are.



iMovie
Get the iMovie app and start editing movies on your iPhone 4. Coming soon to the App Store for \$4.99.



- Share information via Facebook, Twitter, Email, or SMS
- Upload photos

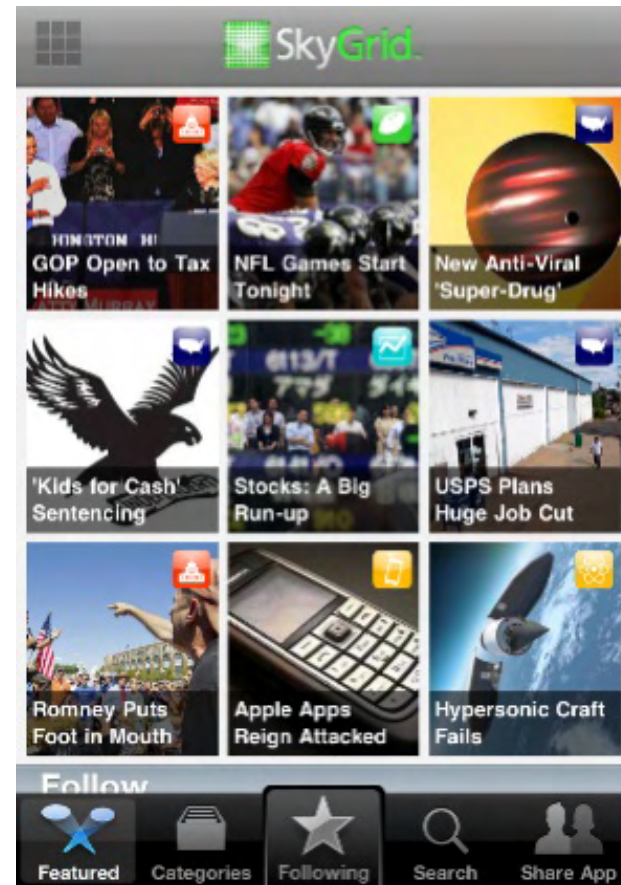
USA Today



- Current Events in order
- Breaking News Alerts
- Videos
- Photos and Text
- Pick Favorite Interests
- Free

SkyGrid

- Personalize news events by categories
- Simple interface
- Free
- www.skygrid.com



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



Pandora



- Free internet radio
- Create custom stations based on genre
- Free



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

US & Canada | Europe | Australia | India | Taiwan |

Search NeuroSky[®] Store...

SEARCH

SHOP BY

CATEGORY

MindWave Mobile Headsets
Products and Accessories
Applications
Music and Literature
Partner Services

PLATFORM

iOS
Android
PC
Mac

GENRE

Wellness
Entertainment
Utility
Developer Tools 3
Free Apps

DEVELOPERS

Alchemy
BrainTrain
CuSoft
Dreams of Danu

Mindwave Mobile: Brainwave Starter Kit



\$99.99

Buy Now
at **amazon.com.**

Brainwave Starter Kit takes decades of laboratory EEG technology research and puts it in your hands. Simply slip on the headset and see your brainwaves change in real time. Monitor your levels of attention and relaxation, and learn about how your brain responds to your favorite music. With more than 100 brain training games and educational apps available through our store, there are plenty of options to choose from based on your age and personal interests. It's an excellent introduction to the world of brain-computer interface!

The MindWave Mobile headset transfers data via Bluetooth[™] to wirelessly communicate with your computer and mobile devices (iOS and Android). You can also write your own programs to interact with MindWave Mobile by using our [free developer tools](#) (available online).

Overview

The MindWave Mobile safely measures and outputs the EEG power spectrums (alpha waves, beta waves, etc), NeuroSky eSense meters (attention and meditation) and eye blinks. The device consists of a headset, an ear-clip, and a sensor arm.

The headset's reference and ground electrodes are on the ear clip and the EEG electrode is on the sensor arm, resting on the forehead above the eye (FP1 position). It uses a single AAA battery with 8 hours of battery life.

MindWave Mobile

- Uses the TGAM1 module
- Automatic wireless pairing
- Single AAA Battery (*Not included*)
- 8-hours battery run time
- Bluetooth v2.1 Class 2 (10 meters range). Bluetooth dongle *not included*.
- [If you do not have Bluetooth on your PC/Mac, here are details on recommended Bluetooth dongles](#)

MINDRDR FOR GOOGLE GLASS LETS YOU TAKE AND SHARE PICTURES JUST BY THINKING

NEUROGADGET - JULY 11, 2014

SHARE ON: [f](#) [t](#) [g+](#) [t](#) [in](#) [s](#) [v](#) [p](#)



Search



1,720
FOLLOWERS



1
FA

NEURO
GADGET

Neurogadget.com

f Like

1,949 people like Neurogadget.com.



f Facebook social plugin

11

Tweet

27

f Like



Ten days with Google Glass

By Will Shanklin

December 23, 2013

14 Comments

7 Pictures

www.lenscrafters.com

Official Site. Visit Us Now & Save!
Designer Eyewear, Lenses, &
More.

36

Like

54

Tweet

22

8+1



4

Pin it

8

Share

submit

reddit

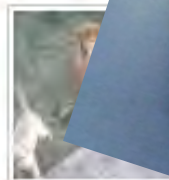
Email



Gizmag shares some more thoughts about being part of the Google Glass Explorer program

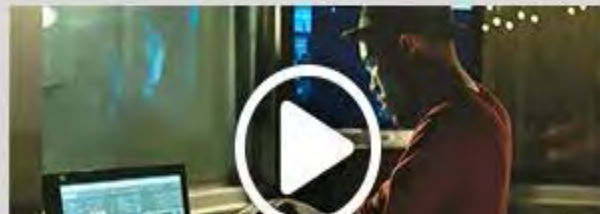
[Image Gallery](#) (7 images)

Here at Gizmag, we're very interested in the present and future of w tech. So we thought it was fitting to sign up for the Google Glass Ex program, to give you a better idea of what Sergey Brin and comp brewing up in Mountain View. Though we aren't quite ready to di proper Google Glass review, we want to share some more thou our first ten days with Glass.



My first few days with [Google Glass](#) were mostly about the self-

Review smartwatch





HEALTH



SHARE



COMMENT

MIT Finger Device Reads to the Blind in Real Time



By RODRIQUE NGOWI

Associated Press

JULY 8, 2014 1:24 AM

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 Savola) AP

SCIENCE AND TECHNOLOGY

Wearable computing gloves can teach Braille, even if you're not paying attention

Posted June 23, 2014 | Atlanta, GA



Several years ago, Georgia Institute of Technology researchers created a technology-enhanced glove that can [teach beginners how to play piano](#) melodies in 45 minutes. Now they've advanced the same wearable computing technology to help people learn how to read and write Braille. The twist is that people wearing the glove don't have to pay attention. They learn while doing something else.

"The process is based on passive haptic learning (PHL)," said Thad Starner, a Georgia Tech professor and wearable computer pioneer. "We've learned that people can acquire motor skills through vibrations without devoting active attention to their hands."

In their new study, Starner and Ph.D. student Caitlyn Seim examined how well these gloves work to teach Braille. Each study participant wore a pair of gloves with tiny vibrating motors stitched into the knuckles. The motors vibrated in a sequence that corresponded



CLICK IMAGE TO ENLARGE

College of Computing Professor Thad Starner, director of the Contextual Computing

More Headlines



Study in 'Science' finds missing piece of biogeochemical puzzle in aquifers

JULY 18, 2014

New study may dramatically shift our understanding of the complex dance of microbes and minerals that takes place in aquifers deep underground.



Making a mental match: pairing a mechanical device with stroke patients

JULY 16, 2014

Mechanical rehab device taps a person's wrist while creating a signal in brain. The signals overlap into the brain and move and the wrist.



Your next opponent in Angry Birds could be a robot

JULY 10, 2014



Musical Glove Improves Sensation, Mobility for People with Spinal Cord Injury

Jul 17, 2012 | Atlanta, GA

Georgia Tech researchers have created a wireless, musical glove that may improve sensation and motor skills for people with paralyzing spinal cord injury (SCI).

The gadget was successfully used by individuals with limited feeling or movement in their hands due to tetraplegia. These individuals had sustained their injury more than a year before the study, a time frame when most rehab patients see very little improvement for the remainder of their lives. Remarkably, the device was primarily used while the participants were going about their daily routines.

The device is called [Mobile Music Touch](#) (MMT). The glove, which looks like a workout glove with a small box on the back, is used with a piano keyboard and vibrates a person's fingers to indicate which keys to play. While learning to play the instrument, several people with SCI experienced improved sensation in their fingers.

Researchers at Georgia Tech and Atlanta's [Shepherd Center](#) recently completed a study focusing on people with weakness and sensory loss due to SCI.

"After our preliminary work in 2011, we suspected that the glove would have positive results for people with SCI," said Ph.D. graduate Tanya Markow, the project's leader. "But we were surprised by how much improvement they made in our study. For example, after using the glove, some participants were able to feel the texture of their bed sheets and clothes for the first time since their injury."

Related Media

Click on image(s) to view larger version(s)



Mobile Music Touch Video



Mobile Music Touch Glove 1

Talk with Us!

What are Your Favorite Apps?

research

news@Vanderbilt

SEARCH

ABOUT RESOURCES SUBSCRIBE VU NEWS

Humanoid robot helps train children with autism

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

Share This Story



Tweet 144 Like 1.4k +1 75

Explore Story Topics

Engineering and Technology, releases, Reporter, Research AIRA, Amy Swanson, ASD, autism, computer engineering, Esubalew Bekele, featured research, featured-Reporter, IDEAS grant, IEEE, joint attention, Julie Crittendon, kennedy center, mechanical engineering, Meredith Anne Thomas Foundation, NIH, NSF, Reporter March 29 2013, School of Engineering, TRIAD, Uttama Lahiri, zachary warren

Related Stories



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



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

Contact



Carolyn Phillips

Director, Tools for Life

Carolyn.Phillips@gatfl.gatech.edu



Liz Persaud

Training, Outreach and Development
Coordinator

Liz.Persaud@gatfl.gatech.edu



Daphne Brookins

AT Funding & Resource Specialist

Daphne.Brookins@gatfl.gatech.edu



Martha Rust

AT Specialist

Martha.Rust@gatfl.gatech.edu



Ben Jacobs

Accommodations Specialist

Ben.Jacobs@gatfl.gatech.edu



Rachel Wilson

Tech Match Specialist

Rachel.Wilson@gatfl.gatech.edu

Disclaimer

This presentation is produced by Tools for Life which is a result of the Assistive Technology Act of 1998, as amended in 2004. It is a program of the Georgia Institute of Technology, College of Architecture [COA], AMAC and is funded by grant #H224C030009 of the Rehabilitation Services Administration (RSA), Department of Education. The contents of this presentation were developed under a grant from the Department of Education. However, those contents do not necessarily represent the policy of the Department of Education, Georgia Tech, COA or AMAC and you should not assume endorsement by the Federal government.