



A Guided Conversation on Apps: Back to the Basics

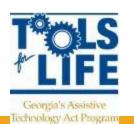
Martha Rust, Ben Jacobs and Liz Persaud

With contributions from Carolyn Phillips www.gatfl.gatech.edu



Apps, Tablets and mobile devices are revolutionizing the way people use and understand technology. These mobile technologies are prominent in our mainstream society. Are you feeling a bit behind when it comes to understanding these devices and how to use them to support students in your classroom and other people with disabilities? Do you have "silly" questions that you do not want to ask because you feel you should already know the answers? Then this is the session for you! During this presentation, participants will learn the basic differences between the iOS, Android, and Microsoft tablets including basic accessibility features. This is a hands-on session that will leave you full of knowledge and resources for using and sharing important features of these technologies.

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





Agenda

- Understanding the Difference between Android & Apple
- Closer Look at Tablets
- Considering Accessibility
- Access the Tools For Life AppFinder
- Exploring a Few of Tools for Life Favorite Apps

Technology Act Program



AMAC

AMAC Accessibility is a social change organization on a mission to create affordable services for governmental, private and nonprofits 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.

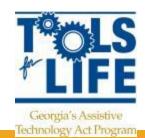






Tools for Life Georgia's Federal AT Act Program

- TFL developed Georgia's Plan for AT
- We serve individuals of all ages & all disabilities in Georgia
 - Over 50,000 thru various activities throughout the year
- TFL Network
 - Assistive Technology Resource Centers
 - Lending Libraries
 - Training and Demonstrations
 - AT Reuse
 - AT Funding Education/Assistance and Resources
- Online Resources
 - www.gatfl.org 12,000 unique visitors a month

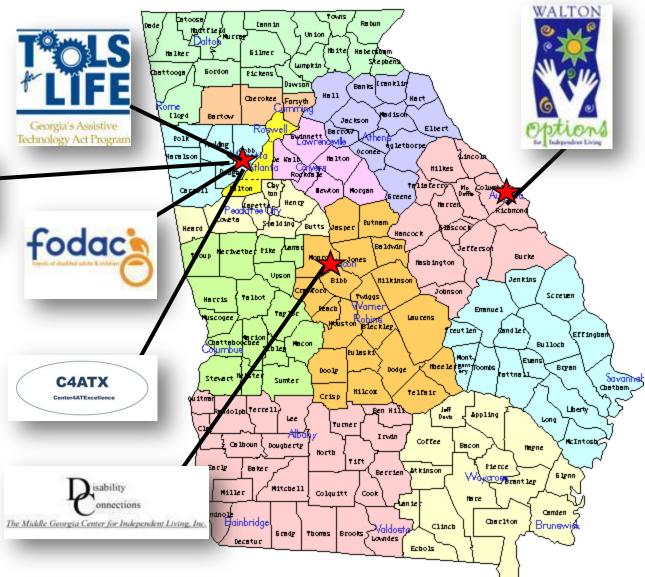




Tools for Life Network



AT Lending Library
AT Evaluations & Training
AT Demos
Resource and Assistance
AT Funding Assistance
DME Reuse





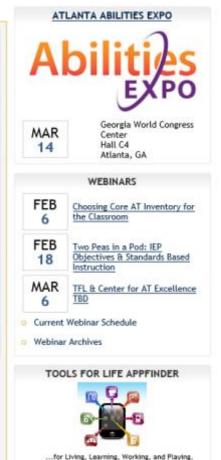
Come Visit Us!







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













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





Which One???





LET'S TAKE A LOOK AT SOME OPTIONS











Microsoft Surface

- Windows 8
- Slim and has a USB port
- Moveable Tiles
- Built-in Accessibility
 - Speech-to-text
 - Narrator
- Thin pressure sensitive cover that doubles as a keyboard
- Starts at \$349







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









- eBook Reader and mobile tablet
- No Camera
- Access to shop both Google Play Store and Barnes and Noble
- Purchase apps
- Starts at \$129







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



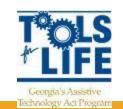




Apple iPad/ mini iPad

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









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







CONSIDERING ACCESSIBILITY









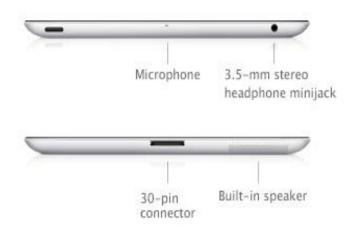
Comparing Tablets

Property	Android	iOS	MS Windows	Amazon Kindle	Barnes and Noble Nook
Number and variety of Tablets	Over 11,000	iPad and iPad mini	Several	Kindle Fire and Fire HD	Nook HD
Operating System	Android (Jelly bean)	ios7 (Sept 18, 2013)	Microsoft Windows 8	Modified version of Android ICS	Modified version of Android- Microsoft bought 2013
Apps	860,815 (AppBrain.com updated 9/13/13)	900,000 with 375,00 optimized for iPad/mini (mobileburn.com updated June 2013)	104,917 (winbeta.org updated July 4, 2013)	50,000 in Amazon App store also shop in Google Play Store (theverge.com updated August 2013)	10,000 in Barnes and Noble and have access to Google Play store (barnesandnoble.co m updated August 2013)
Software Updates	As it becomes available on Google	Apple releases updates	MS releases updates	Amazon releases updates	Barnes and Noble releases updates
Interface	As designed by manufacturer	Icons and widgets designed by Apple	Metro style designed by Microsoft	Modified version of regular Android	Modified version of regular Android



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

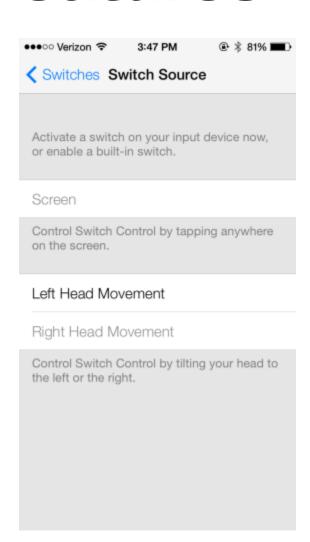






New iOS 7 Features

- September 2013
- Automatically turn on captioning and subtitles
- Switch Source under Accessibility
 - Allows user to control devices by head movement



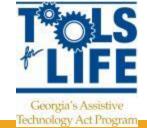




VoiceOver

- Standard feature on iPhones, iPads, and iTouches
- World's first gesturebased 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







- 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









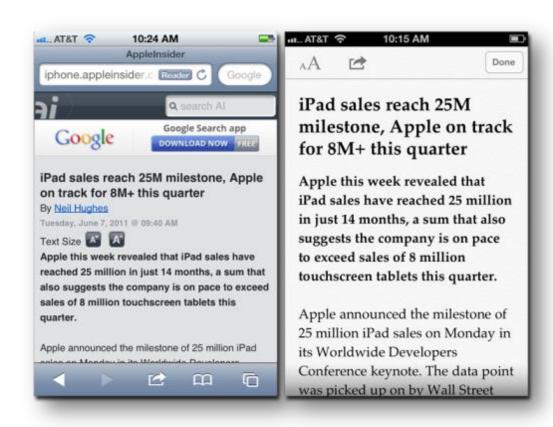
Creating Keyboard Shortcuts

- 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: Martha E. Rust, MS CRC ATP
 - Shortcut is: MER
 - So when MER 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









Surface



- 2 types
 - RT
 - PRO
- RT
 - Cannot download software
 - Does not support digital pen
 - Built in MS Office
 - Word, Powerpoint, Excel

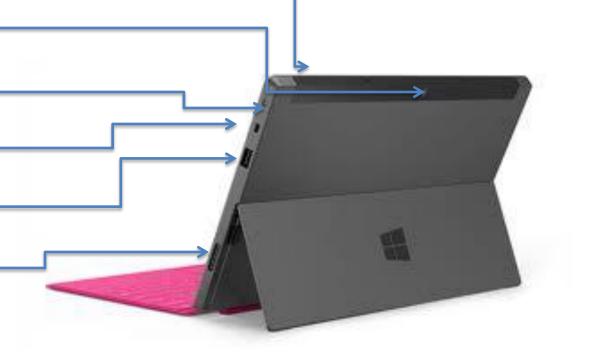
- Pro
 - 30 day trial of MSOffice
 - Ability to download software
- Open 3 Windows
- Tiles
 - Start screen
- Charms
 - Right hand side





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





Some Surface Apps

- Maluuba



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

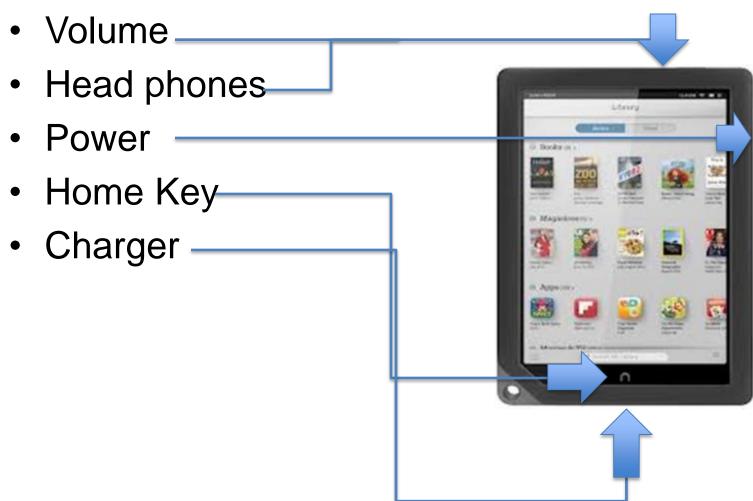
- **Barcode Generator**
- Personal assistant app
 Free way to create your own barcodes







Layout of the Nook HD







Nook HD

- Download Books and Movies
- Access to Barnes and Noble Store
- Access to Google Play Store
- No Camera
- Does not read books out loud

- Note taking features
- Can Change:
 - Font
 - Line Spacing
 - Text Size
 - Background color







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



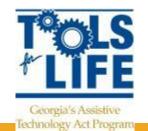




Android Tablets

- 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



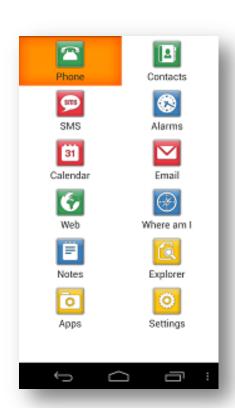






Accessible Android Apps

- 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

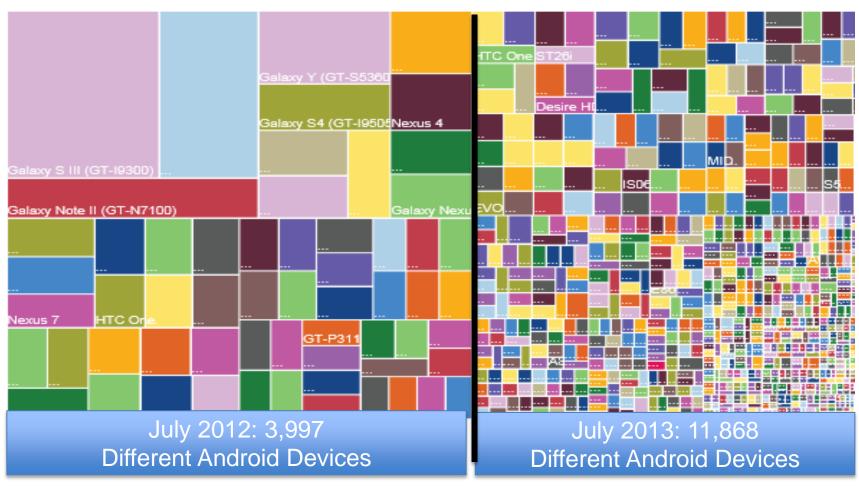








Android Device Fragmentation





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



IOME ASSISTIVE TECHNOLOGY

TFL NETWORK

CALENDAR OF EVENTS



C Search our Site

Go

TRAINING

FUNDING

PUBLICATIONS

TFL WIKI

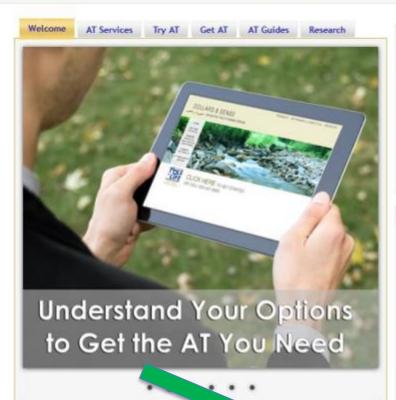
MEET THE TFL TEAM

MEET THE ADVISORY COUNCIL

DIRECTIONS/MAP

JOIN OUR MAILING LIST

SCHEDULE A TOUR



Welcome to Tools for Life

Tools for Life, Georgia's Assistive Technology Act Program, is increasing access to and acquisition of assistive technology (AT) dev. 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



MAR 14 Georgia World Congress Center Hall C4 Atlanta, GA

WEBINARS

FEB 6

Choosing Core AT Inventory for the Classroom

FEB Tw

Two Peas in a Pod: IEP Objectives & Standards Based Instruction

MAR

18

TFL & Center for AT Excellence TBD

- Current Webinar Schedule
- Webinar Archives

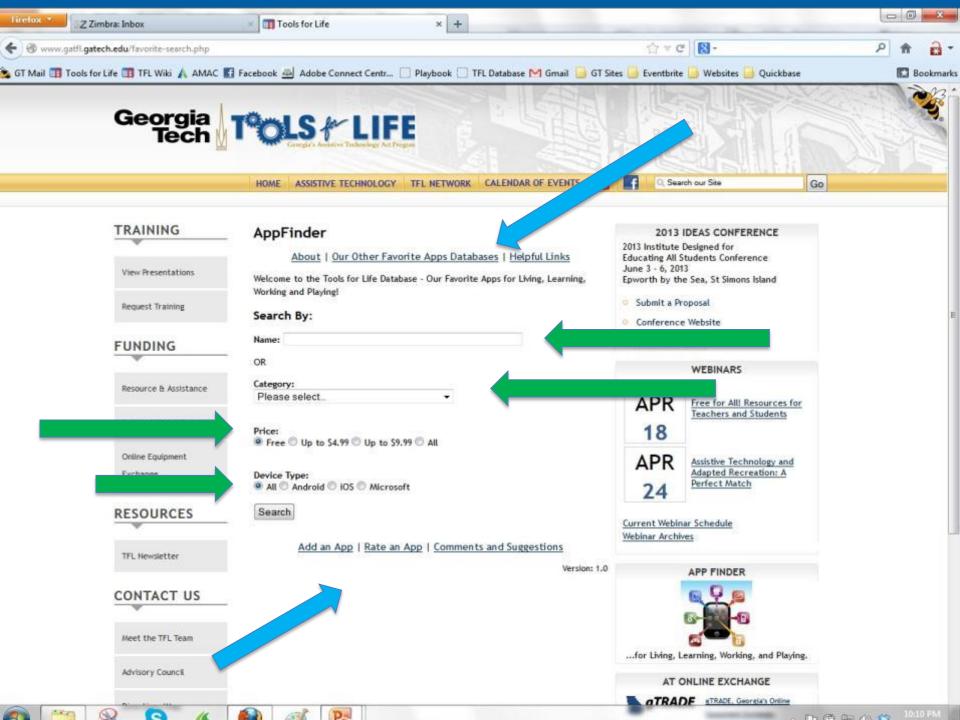
TOOLS FOR LIFE APPFINDER



... for being Learning, Working and anying.

AT ONLINE EXCHANGE







HOME

ASSISTIVE TECHNOLOGY

TEL NETWORK

CALENDAR OF EVENTS





Search our Site

Go

TRAINING

View Presentations

Request Training

FUNDING

Resource & Assistance

Dollars & Sense Database

Online Equipment

Exchange

RESOURCES

TFL Newsletter

CONTACT US

Meet the TFL Team

Advisory Council

Directions/Map

Join our Mailing List

My Favorite Apps

You searched for: Learning, Cognition, and Developmental

Logo

Name

Category

Device Type

tango Video Calls

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 iOS Developmental

No Ratings

i-promt

Professional Tele-prompting software for your iPhone or iPod Touch.

Learning. Cognition, and iOS Developmental

No Ratings

app icon



Dragon Dictation is an easy-to-use voice recognition application powered by Dragon

Learning, Cognition, and iOS **Developmental**



5 stars by 1 users



iBooks includes the iBookstore. where you can download the latest best-selling books or your favorite classics

Learning. Cognition, and iOS Developmental

No Ratings



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 iOS Developmental

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

Free for All! Resources for Teachers and Students

18

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 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!







Talkadroid!





- Free
- Type in what you want to say
- Save and load your favorite phrases
- Download and use 35+ Premium SVOX voices
- Create custom ring tones and alarms

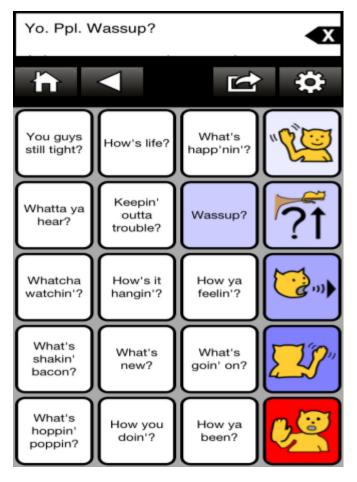




Fat Cat Snappy Chat



• .99



- Designed to keep conversation going
- Real voice to provide 160 phrases
- Geared to casual conversations of kids
- Quick snappy comebacks
- Integrates with your email, Twitter, instant messaging, and texting

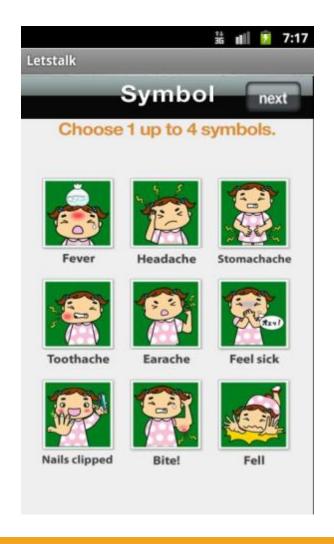




LetsTalk



- Android
- \$3.99
- make the original icons with a microphone and camera functions
- focused to express basic requests
- 2 Modes
 - Supportive Mode
 - Self- Use Mode







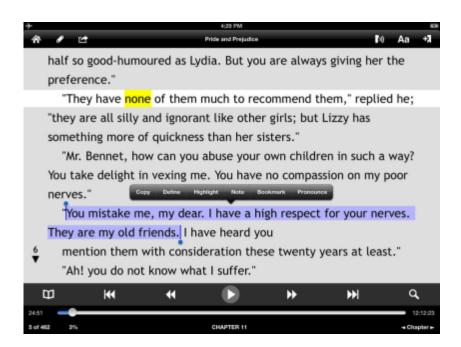
Voice Dream





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

- Download for later reading
- \$9.99



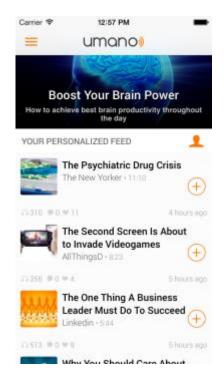






Umano

- 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



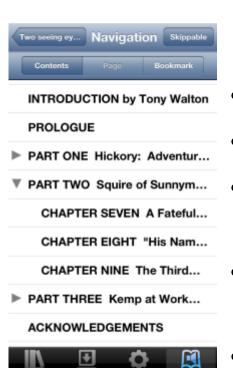




BARD Mobile







- 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



Darwin Wallet





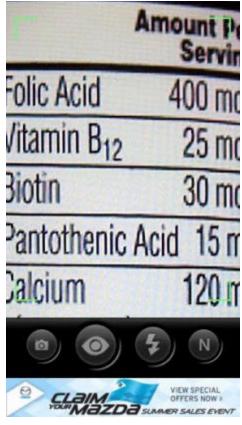
- Uses the camera to determine the currency
- Hold the bill in front of the phone's camera and the app will speak its value
- Free





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



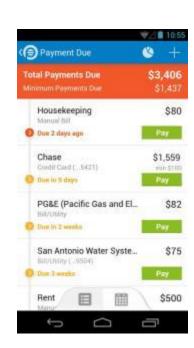








- Free
- Keep track of your cash and credit cards
- Pay your bills
- Real-time alerts and reminders about upcoming bills, overage charges, and suspicious transactions
- Understand your debt











Bump





- Use Bump[™] to share contact information and photos by simply bumping two phones together.
- Just open Bump, hold your phones, and gently bump your hands together
- Free!

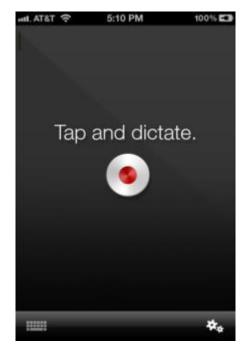






Dragon Dictation





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

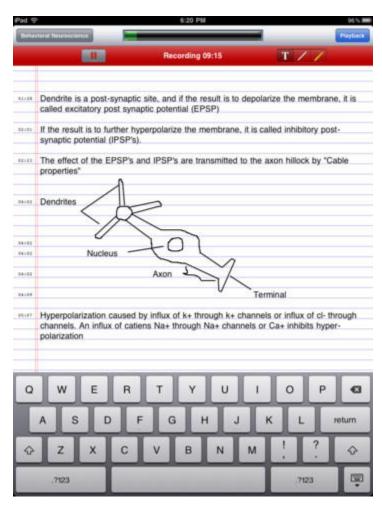






AudioNote





- 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



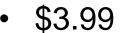


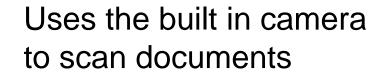


Perfect OCR









Edit, copy, store, email documents

Upload to online storage is as Evernote

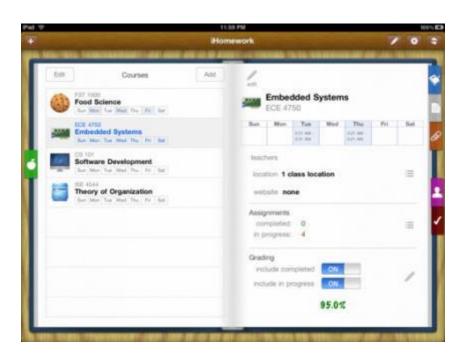
Does take practice for picture





iHomework





- Keep up-to-date with your school work, grades, todo'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

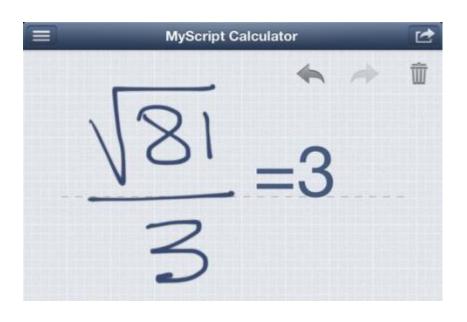






MyScript Calculator





- 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

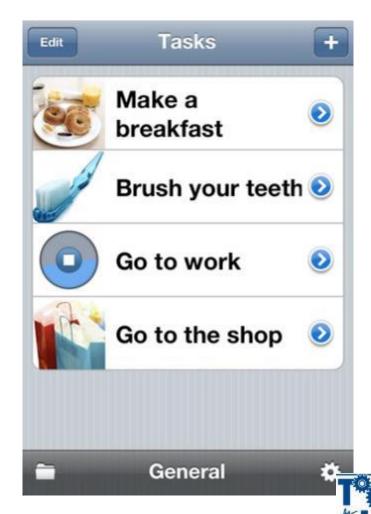




Picture Scheduler



- 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

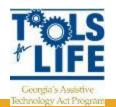




Speak it!



- Copy emails, documents, web pages, PDF files, and more; paste them into Speak it!, and have the text spoken back to you.
- Email text to speech files
- Make announcements over PA system
- Endless phrases and possible uses
- \$1.99





LookTel Money Reader

iOS App



- \$1.99
- Uses camera
- Speaks out loud
- Do not need to hold bill steady or in entire frame









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



Talk with Us!

What are Your Favorite Apps?







Our Question to You: What have You Learned today?





Contact



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Disclaimer

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