

Tea & Talk: Our Favorite Apps Reading

Sam Murphy &
Carolyn Phillips

www.gatfl.org

AT Solutions Lab
LDA Conference
Anaheim

Thur., February 20th 2014 – 3:30-4:30 pm



www.amacusg.org



Our Favorite Apps: Reading

- With the introduction of Apps, we are experiencing a drastic technology evolution that is revolutionizing the field of Assistive Technology and producing positive life changing results for individuals with disabilities. Apps are assisting students by promoting more independence, increasing opportunities for inclusion, promoting depth of learning, providing equal access in educational settings and supporting smoother transitions.
- This Tea & Talk will provide participants with opportunities to learn about & share with others specific App solutions.

Agenda

- Welcome and Introductions
- Learn about the Tools for Life AppFinder
- Exploring Our Favorite Apps for Reading
- Sharing Your Favorite Apps
- Q&A

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

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





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Welcome to Tools for Life

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

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

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

2013 IDEAS CONFERENCE

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

- [Submit a Proposal](#)
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APP FINDER



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

AT ONLINE EXCHANGE



gTRADE [gTRADE, Georgia's Online
Equipment Exchange](#)

encourages members to offer AT and DME for sale or donation to others who may benefit from using technology unneeded by others.

Firefox Zimbra: Inbox Tools for Life

www.gatfl.gatech.edu/favorite-search.php

GT Mail Tools for Life TFL Wiki AMAC Facebook Adobe Connect Centr... Playbook TFL Database Gmail GT Sites Eventbrite Websites Quickbase Bookmarks

Georgia Tech TOOLS for LIFE

Georgia's Assistive Technology Act Program

HOME ASSISTIVE TECHNOLOGY TFL NETWORK CALENDAR OF EVENTS

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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

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APR 24 [Assistive Technology and Adapted Recreation: A Perfect Match](#)

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

AT ONLINE EXCHANGE

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



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My Favorite Apps

You searched for: Learning, Cognition, and Developmental



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 Developmental iOS

No Ratings

app icon

i-prompt

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

Learning, Cognition, and Developmental iOS

No Ratings



Dragon

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

Learning, Cognition, and Developmental iOS



5 stars by 1 users



iBooks

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

Learning, Cognition, and Developmental iOS

No Ratings



Say Text

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

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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.

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 \$499



Samsung Galaxy



- Download Accessibility Features
- 7 inch or 10 inch screen available
- Compatible with flash/ WIFI
- 8.0 coming out February 2013 in Europe
- 8.0 will have a better camera and use a SIM card for storage
- Starts at \$199.99 but 8.0 may be more

Apple iPad mini

- Multi - touch screen
- New iOS 6
- Millions of apps
- Surf web
- iTunes
- Videos
- Organization
- Accessibility
- Books
- Photos
- Speakers
- 5.0 megapixel camera
- Starts at \$329



Height: 7.87 in
Width: 5.3 in
Depth: 0.28 in
Weight: 0.68 lb

LET'S EXPLORE OUR FAVORITE APPS!



Apps for Reading

Types of Reading Apps

- There are over 27,000 reading apps and over 500,000 books and publications
- Active Reading Apps
 - Studies show that comprehension improves by 38%-70%
 - Defined as eyes are on the screen following the words
 - Highlighting of words, sentences, and paragraphs
- Passive Reading App
 - No pictures
 - Usually synthetic Computer Generated Voices/ VoiceOver
 - *Therese Willkomm*

SkyGrid



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



CNN



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

USA Today

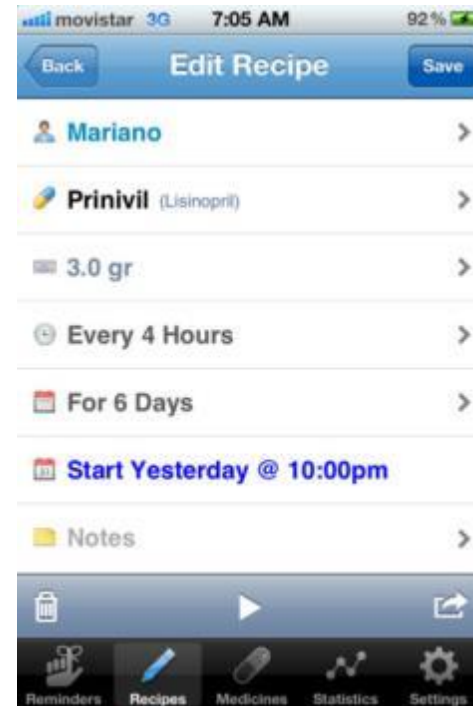


- Current Events in order
- Breaking News Alerts
- Videos
- Photos and Text
- Pick Favorite Interests
- Free

Medimate



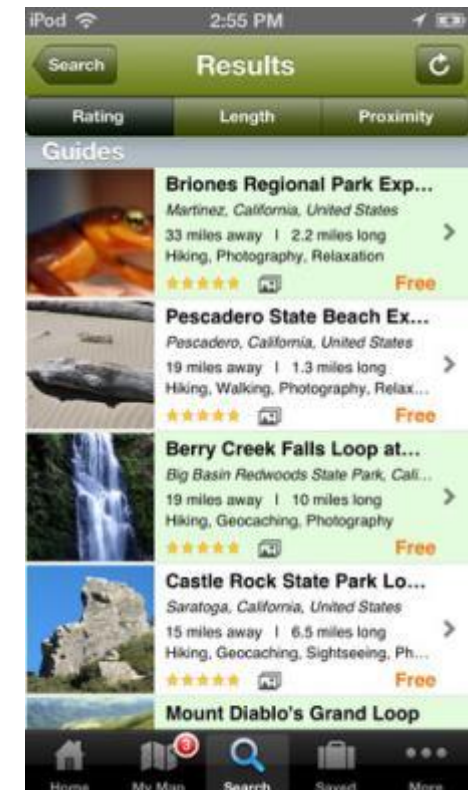
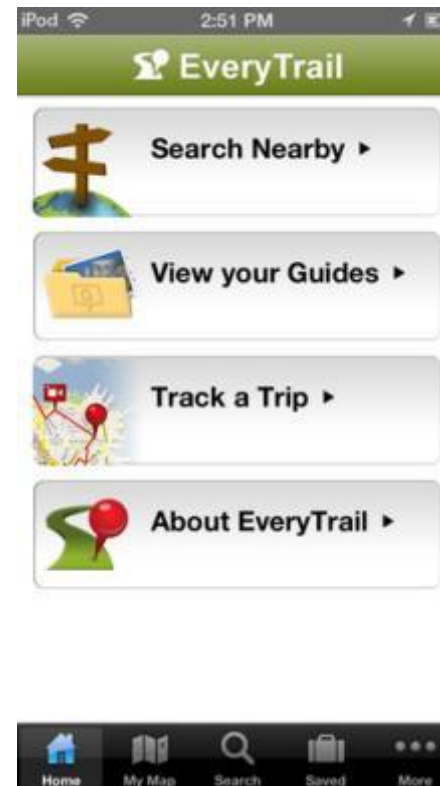
- Medical prescription organizer
 - Both you and family
- Customize your medicine catalog
- Understand your usage



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



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



Reading Apps

- Learning Ally



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

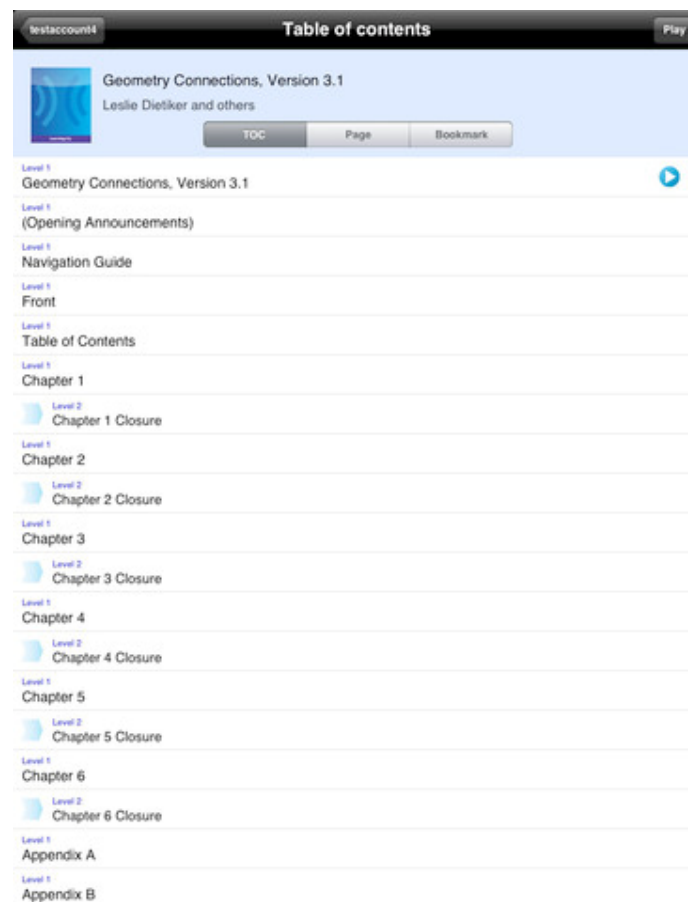
- Audible.com



- Over 100,000 titles
- Works on both Android and Apple
- \$7.00-\$22.00 per month

Learning Ally

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



Reading Apps

- Free Books
 - Free
 - Over 23,000 titles
 - Audiobooks
- Newspaper
 - Free
 - Newspapers from 150+ countries
 - Over 20,000 newspapers



- Overdrive Media Console
 - Free
 - Must have library card
 - Download ebooks and audiobooks on the go



Perfect OCR

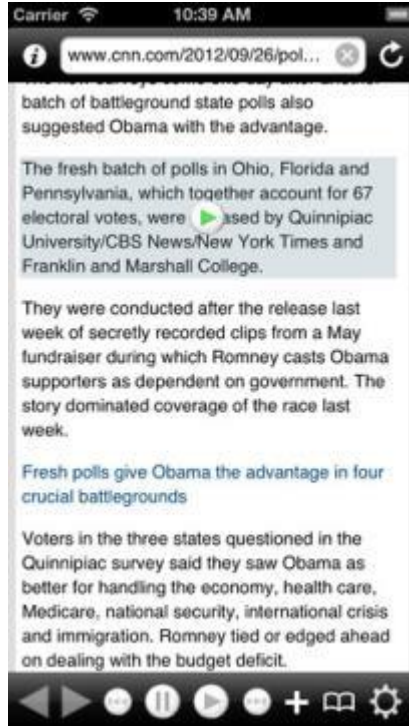


- \$3.99
- Uses the built in camera to scan documents
- Edit, copy, store, email documents
- Upload to online storage is as Evernote
- Does take practice for picture

WebReader



- Text to speech technology for reading web page content
- Web pages can be read as soon as they are loaded or use Cut, Copy, & Paste to read only sections of webpage
- Highlights as it reads text
- Speaking rate control available
- \$1.99

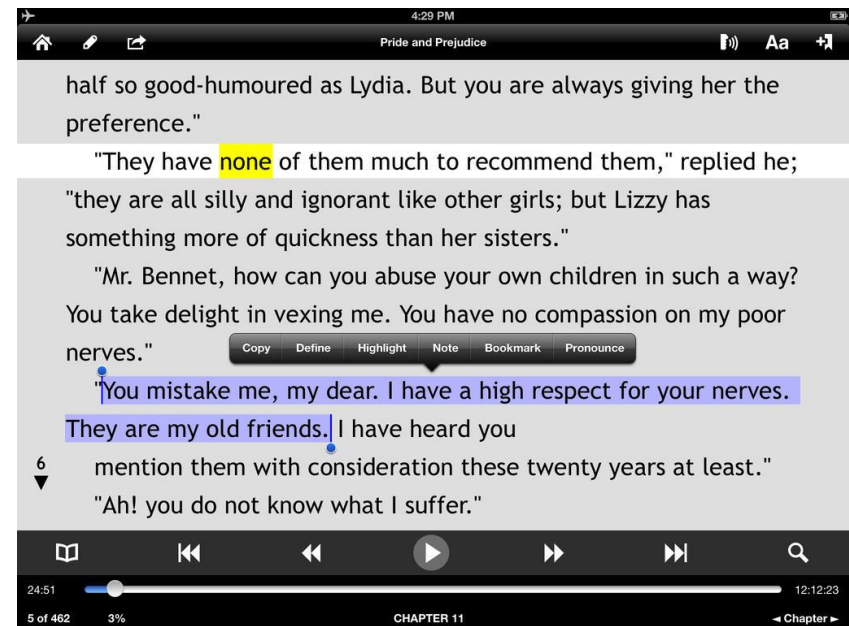


Voice Dream



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

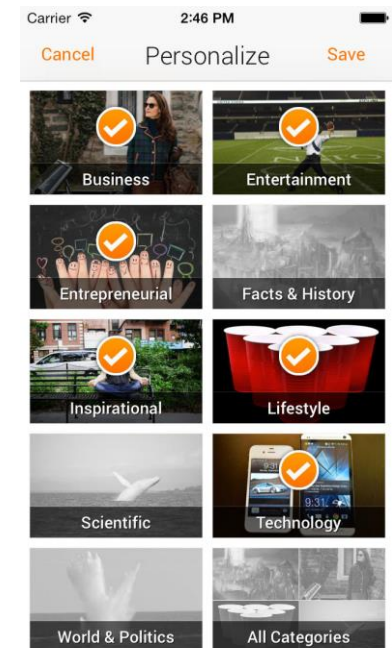
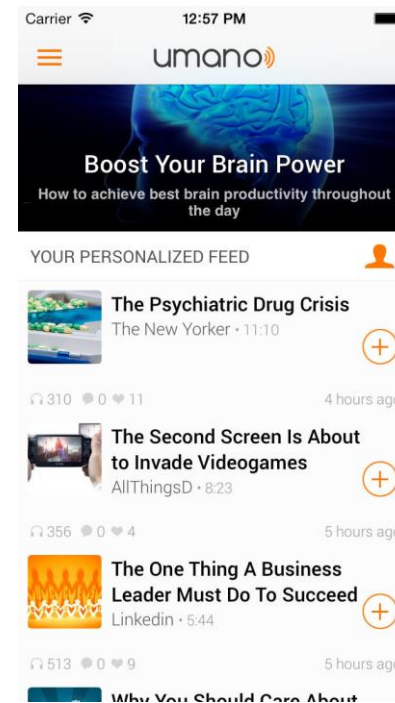
- Download for later reading
- \$9.99



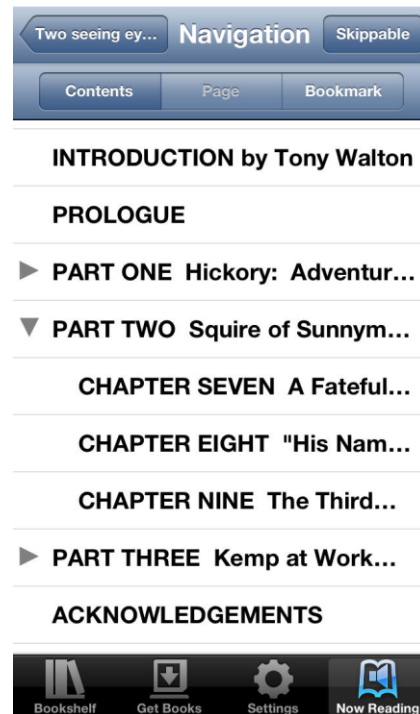
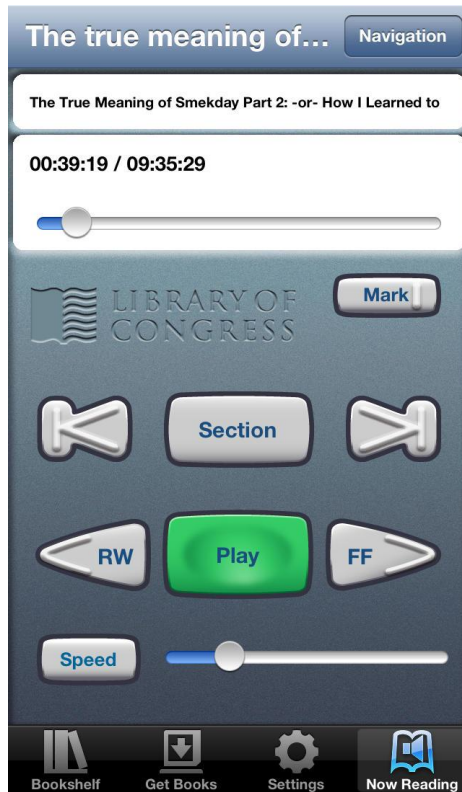
Umano



- 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

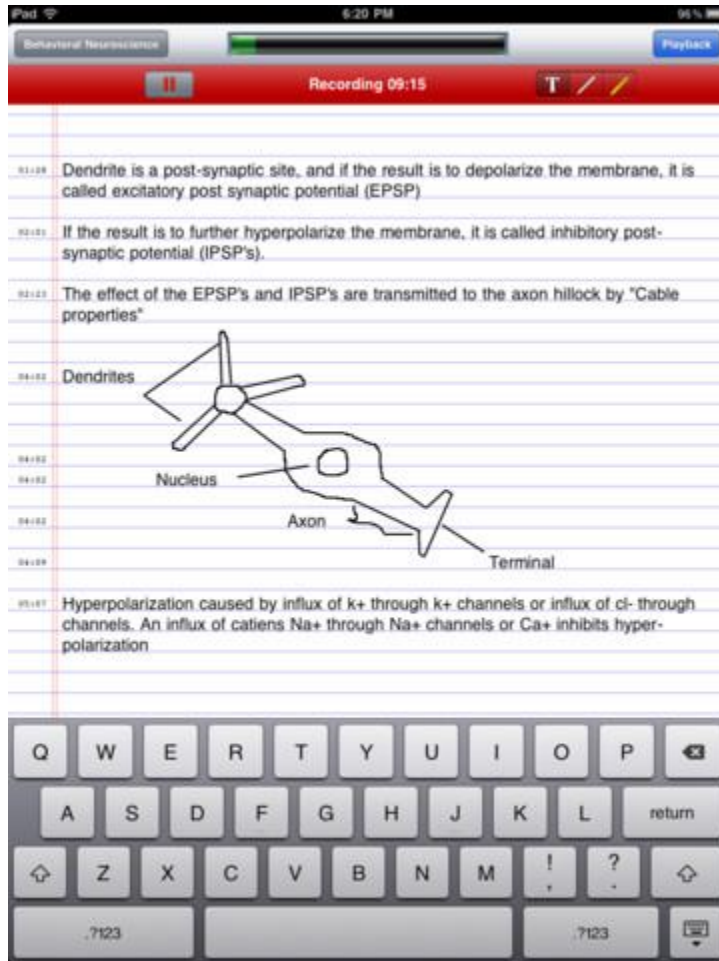


BARD Mobile



- 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

AudioNote

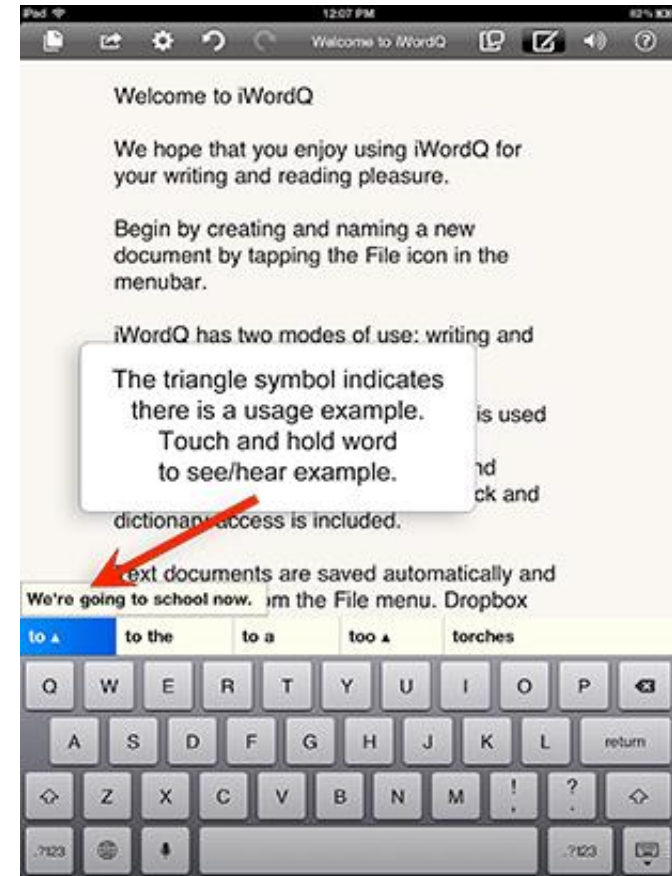


- Records your notes, meetings or lectures
- Can take notes by typing, stylus, or drawing
- Time stamps so you can go directly to where you want to hear
- Highlights notes when read back
- \$4.99

iWordQ

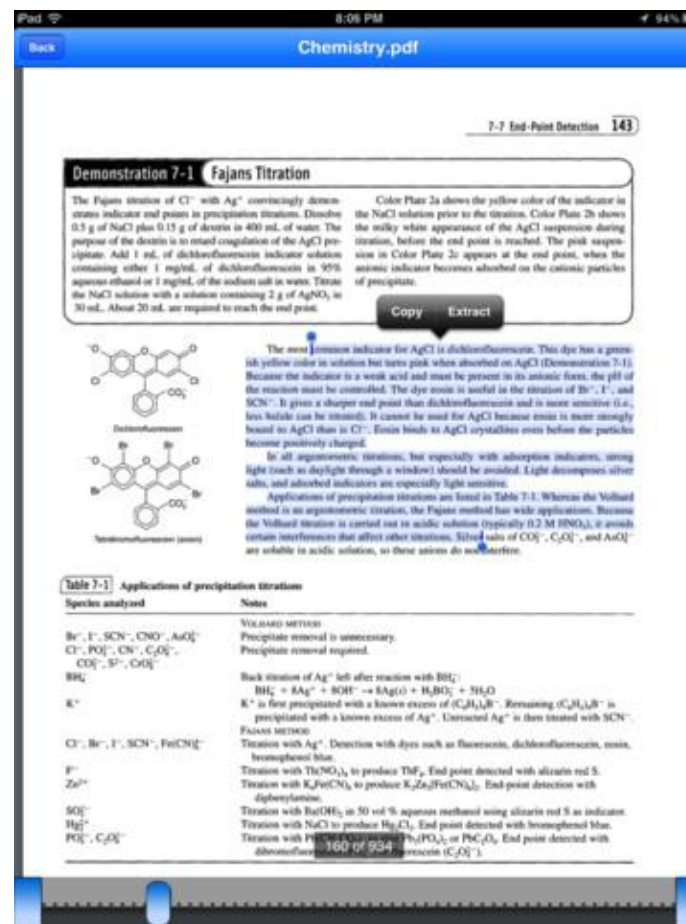


- App version of Word Q software
- Not available with SpeechQ right now
- In context word prediction
- Dictionary
- Text-to-Speech
- Dropbox
- Saves documents



Premier Talking Reader

- PTR reads selected text aloud with the added benefit of note extraction
- Dropbox integration
- Email files
- Sync files through iTunes



The screenshot displays the Premier Talking Reader app interface. At the top, the status bar shows 'iPad', '8:08 PM', and '94%' battery. The app title 'Chemistry.pdf' is centered. Below the title, the page number '143' and the section '7-7 End-Point Detection' are visible. The main content area is titled 'Demonstration 7-1 Fajans Titration'. It contains two columns of text. The left column describes the Fajans titration of Cl^- with Ag^+ using dichlorofluorescein as an indicator. The right column describes the use of the indicator in the titration of Br^- with Ag^+ . Below the text, there are two chemical structures: 'Dichlorofluorescein' and 'Dichlorofluorescein (anion)'. To the right of the structures, there is a 'Copy' button and an 'Extract' button. Below the structures, there is a table titled 'Table 7-1 Applications of precipitation titrations'. The table has two columns: 'Species analyzed' and 'Notes'. The table lists various species and the methods used for their detection.

Demonstration 7-1 Fajans Titration

The Fajans titration of Cl^- with Ag^+ convincingly demonstrates indicator end points in precipitation titrations. Dissolve 0.3 g of NaCl plus 0.15 g of dextrin in 400 mL of water. The purpose of the dextrin is to retard coagulation of the AgCl precipitate. Add 1 mL of dichlorofluorescein indicator solution containing either 1 mg/mL of dichlorofluorescein in 95% aqueous ethanol or 1 mg/mL of the sodium salt in water. Titrate the NaCl solution with a solution containing 2 g of AgNO_3 in 30 mL. About 20 mL are required to reach the end point.

Color Plate 2a shows the yellow color of the indicator in the NaCl solution prior to the titration. Color Plate 2b shows the milky white appearance of the AgCl suspension during titration, before the end point is reached. The pink suspension in Color Plate 2c appears at the end point, when the anionic indicator becomes adsorbed on the cationic particles of precipitate.

The most common indicator for AgCl is dichlorofluorescein. This dye has a greenish yellow color in solution but turns pink when adsorbed on AgCl (Demonstration 7-1). Because the indicator is a weak acid and must be present in its anionic form, the pH of the reaction must be controlled. The dye is useful in the titration of Br^- , I^- , and SCN^- . It gives a sharper end point than dichlorofluorescein and is more sensitive (i.e., less halide can be titrated). It cannot be used for AgCl because it is more strongly bound to AgCl than is Cl^- . Even binds to AgCl crystallites even before the particles become positively charged.

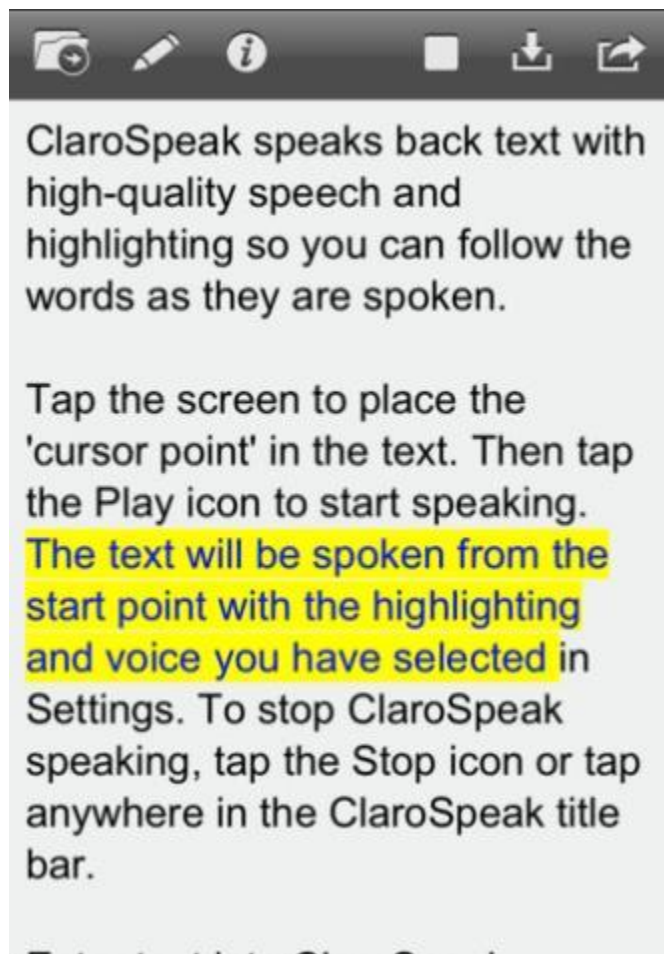
In all argentometric titrations, but especially with adsorption indicators, strong light (such as daylight through a window) should be avoided. Light decomposes silver salts, and adsorbed indicators are especially light sensitive.

Applications of precipitation titrations are listed in Table 7-1. Whereas the Volhard method is an argentometric titration, the Fajans method has wide applications. Because the Volhard titration is carried out in acidic solution (typically 0.2 M HNO_3), it avoids certain interferences that affect other titrations. Silver salts of CO_3^{2-} , $\text{C}_2\text{O}_4^{2-}$, and AsO_4^{3-} are soluble in acidic solution, so these anions do not interfere.

Table 7-1 Applications of precipitation titrations

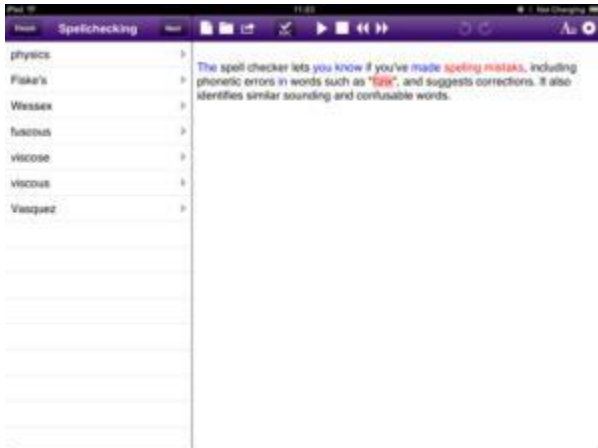
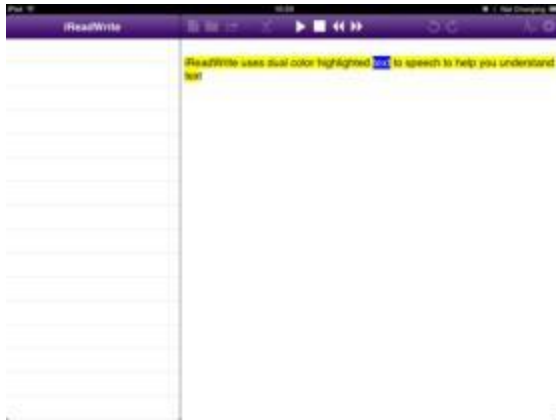
Species analyzed	Notes
Br^- , I^- , SCN^- , ClO_3^- , AsO_4^{3-}	VOLHARD METHOD: Precipitate removal is unnecessary.
Cl^- , PO_4^{3-} , CN^- , $\text{C}_2\text{O}_4^{2-}$, CO_3^{2-} , S^{2-} , CrO_4^{2-}	Precipitate removal required.
Br_2	Back titration of Ag^+ left after reaction with Br_2 : $\text{Br}_2 + \text{Ag}^+ + \text{OH}^- \rightarrow \text{AgBr} + \text{H}_2\text{O} + \text{HBrO}_2$
K^+	K^+ is first precipitated with a known excess of $(\text{C}_2\text{H}_5)_4\text{As}^+$. Remaining $(\text{C}_2\text{H}_5)_4\text{As}^+$ is precipitated with a known excess of Ag^+ . Unreacted Ag^+ is then titrated with SCN^- .
Cl^- , Br^- , I^- , SCN^- , $\text{Fe}(\text{CN})_6^{4-}$	FAJANS METHOD: Titration with Ag^+ . Detection with dyes such as fluorescein, dichlorofluorescein, eosin, bromophenol blue.
F^-	Titration with $\text{Th(NO}_3)_3$ to produce ThF_4 . End point detected with alizarin red S.
Zn^{2+}	Titration with $\text{K}_2\text{Fe}(\text{CN})_6$ to produce $\text{K}_2\text{Zn}(\text{Fe}(\text{CN})_6)_2$. End point detection with diphenylamine.
SO_4^{2-}	Titration with $\text{Ba}(\text{OH})_2$ in 50 vol % aqueous methanol using alizarin red S as indicator.
Hg_2^{2+}	Titration with NaCl to produce Hg_2Cl_2 . End point detected with bromophenol blue.
PO_4^{3-} , $\text{C}_2\text{O}_4^{2-}$	Titration with Pb^{2+} to produce $\text{Pb}_3(\text{PO}_4)_2$ or PbC_2O_4 . End point detected with dichlorofluorescein (160 OF 924) or eosin ($\text{C}_2\text{O}_4^{2-}$).

ClaroSpeak US



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

iWriteRead



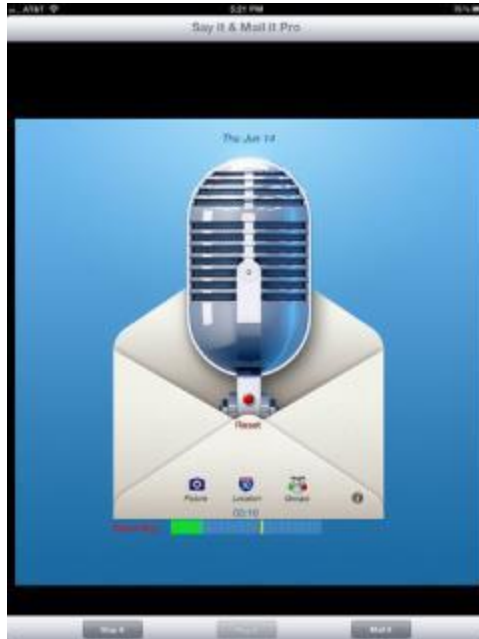
- TextHelp
- No internet needed to use
- Text-to-speech
- Word Prediction
- Phonetic Spell Checker
- Homophone and Confusables Checker
- Dictionary
- Picture Dictionary
- Customizable Background and Text Colors
- Choice of Voices and Fonts
- Importing and Sharing documents

Reminders



- Built-in App
- Works with VoiceOver
- Organize your reminders
- Siri if have iPhone 4s or 5
- The new iPad

Say it & Mail it Pro

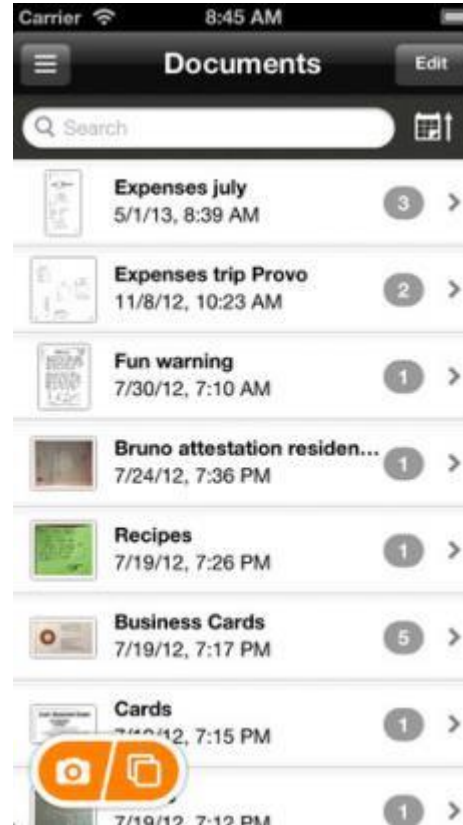


- Email voice memos
- Attach pictures
- Set preference to start recording as soon as app opens
- Add location

Genius Scan



- Scan documents or handwritten notes
- Email the scans as JPEG or PDF
- Free
- Genius Scan Plus (\$2.99) allows upload to Dropbox, Skydrive or Evernote



Bump



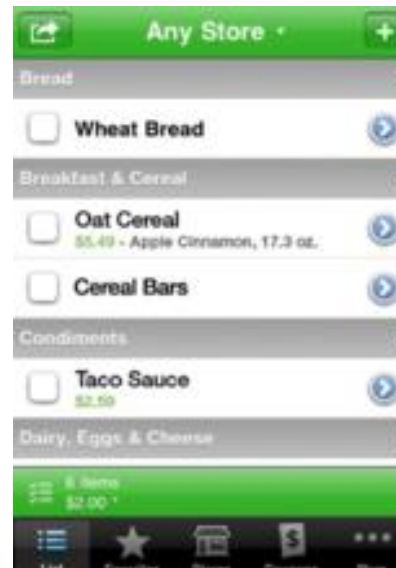
- Use Bump™ to share contact information and photos by simply bumping two phones together.
- Just open Bump, hold your phones, and gently bump your hands together
- **Free!**

[Demo](#)

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



Story Patch



- Create your own picture book
- Hundreds of included images
- Ability to import pictures
- Easy to use
- \$2.99



Talk with Us!

What are Your Favorite Apps?



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



Contact

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Carolyn Phillips

Director

Tools for Life

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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.