

Tea & Talk: Assistive Technology

TFL Team

www.gatfl.org

AT Solutions Lab
DAS SIG Conference
Peachtree City



www.amacusg.org



How Can We Help You?

- Do you have questions about assistive technology? Are you running into barriers when you are providing services and support your clients? Have you encountered a unique situation that may need some in-depth assistive technology strategies and solutions? If so, then join us during this “tea & talk” where we will engage in an open discussion with you about assistive technology and resources for increasing independence and removing obstacles. During this time participants will receive a brief overview and update of Tools for Life, Georgia's Assistive Technology Act Program at Georgia Tech, including the statewide Tools for Life Network. Presenters will define assistive technology and share information about real world solutions and implementation. Discussion will center on tracking technological trends and knowledge transfer and will include examples of assistive technology, software, hardware, mobile technology and apps. Bring your tea (or your favorite beverage), service and support examples, solutions and ideas!

Agenda

- Welcome and Introductions
- Learn about the Tools for Life – Your AT Program
- Exploring AT Solutions
- Sharing Your AT Solutions
- Q&A

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

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.



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.





Georgia's Assistive
Technology Act Program



TFL AppFinder



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

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

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

Welcome AT Services Try AT Get AT AT Guides Research

Learn More about AT through Hands-On Demonstrations

Welcome to Tools for Life

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

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

IDEAS CONFERENCE

JUN 2 Epworth by the Sea, St Simons Island

WEBINARS

MAY 28 Georgia's Leadership Model for Increasing Accessible ICT in State Government

JUN 25 Learn More and Do More: Exploring Accessibility and Apps for Android

JUL 30 Position for Work: A Closer Look at Workplace Accommodations & Assessments

Current Webinar Schedule
Webinar Archives

TOOLS FOR LIFE APPFINDER



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

AT ONLINE EXCHANGE



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

Come Visit Us!

- 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



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.

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.

Tools for Life AT Demo Lab

- Tablets
- Vision Items
- DME
- Communication
- Games
- Software
- Switches
- Keyboards



Tools for Life AT Demo Lab





What are Your Assistive Technology Questions?

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



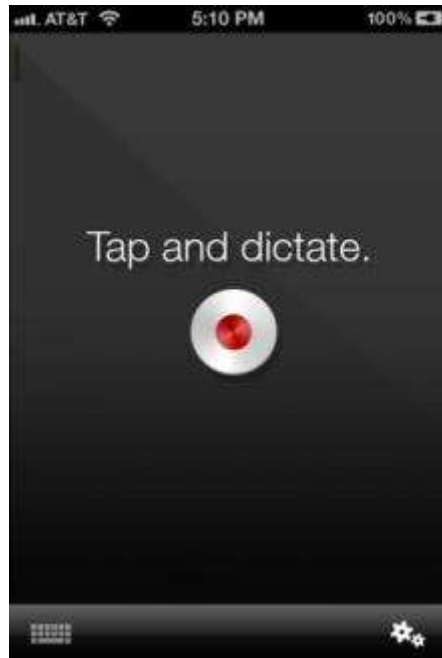
Height: 7.87 in
Width: 5.3 in
Depth: 0.28 in
Weight: 0.68 lb

LET'S EXPLORE OUR FAVORITE APPS!



Apps for Writing

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

Swipelt and Swype

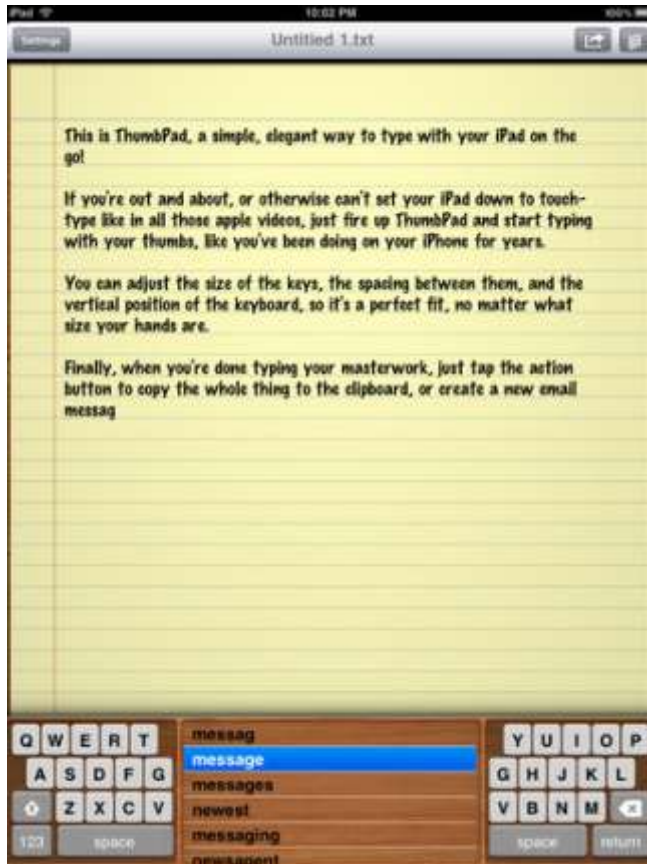
- Swipe across the keyboard to type words instead of tapping each key



- Free

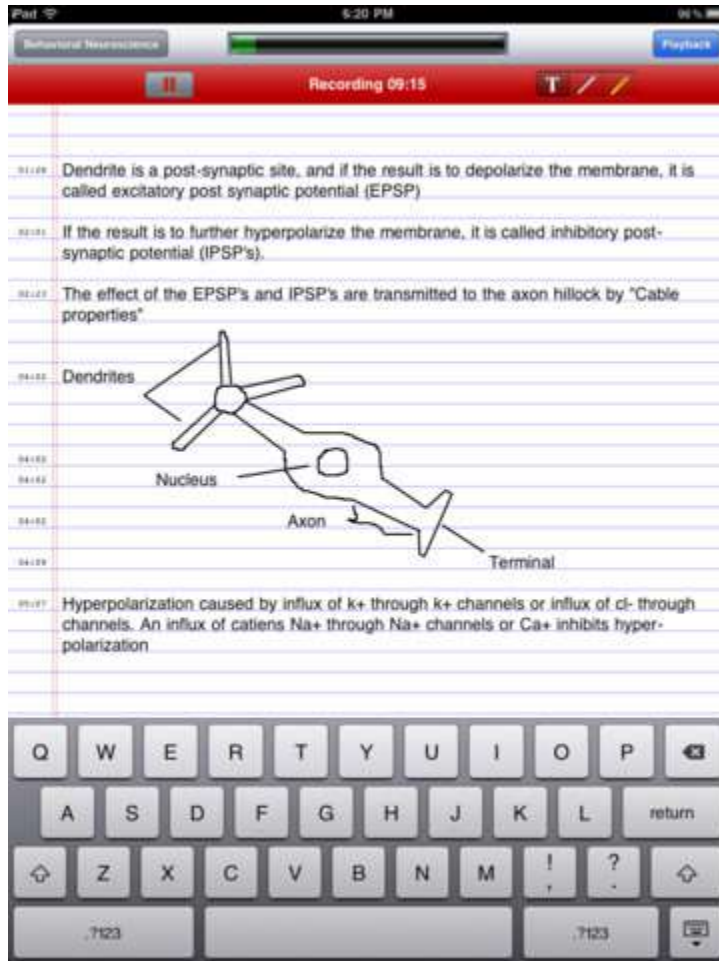
.99

ThumbPad



- Type with your thumbs on the iPad as you do on the iPhone
- Adjustable keyboard
- Customizable
 - Adjust key width
 - Height
 - Spacing
- \$3.99

AudioNote

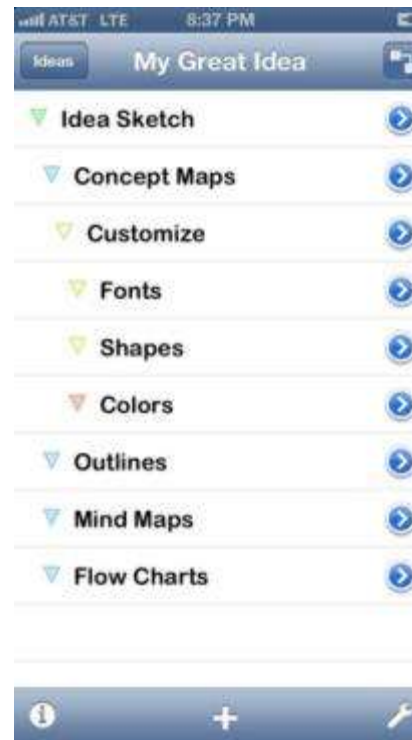


- Records your notes, meetings or lectures
- Can take notes by typing, stylus, or drawing
- Time stamps so you can go directly to where you want to hear
- Highlights notes when read back
- \$4.99

Idea Sketch



- Mind and concept mapping
- Create flow charts
- Brainstorm ideas
- Convert flowchart to text outline and vice versa
- Free



Catch Notes

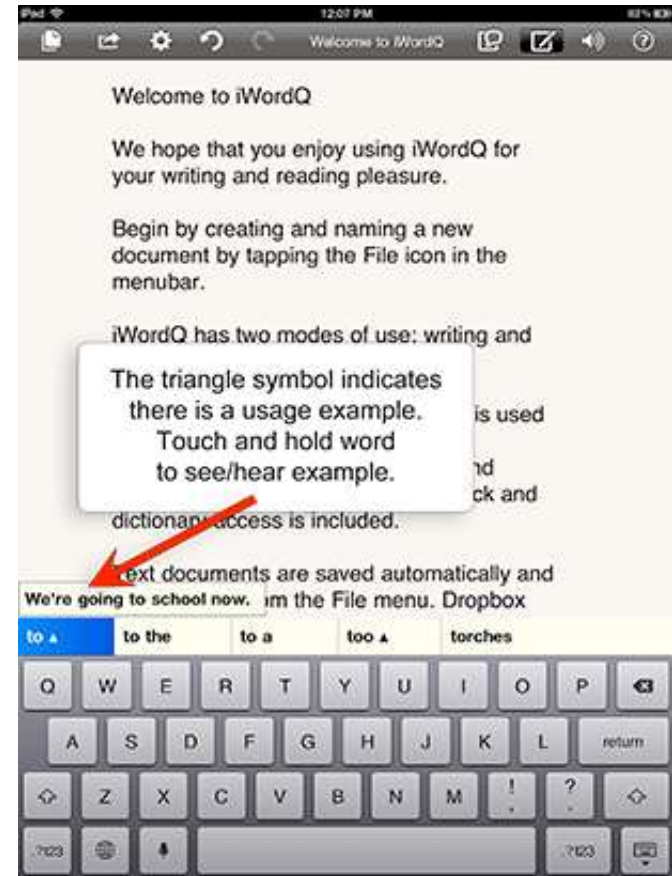
- Free
- Capture ideas instantly with voice, photo, and text notes
- Use online AND offline on your mobile phone or tablet
- Share checklists to collaborate on to-do lists
- Set reminders



iWordQ



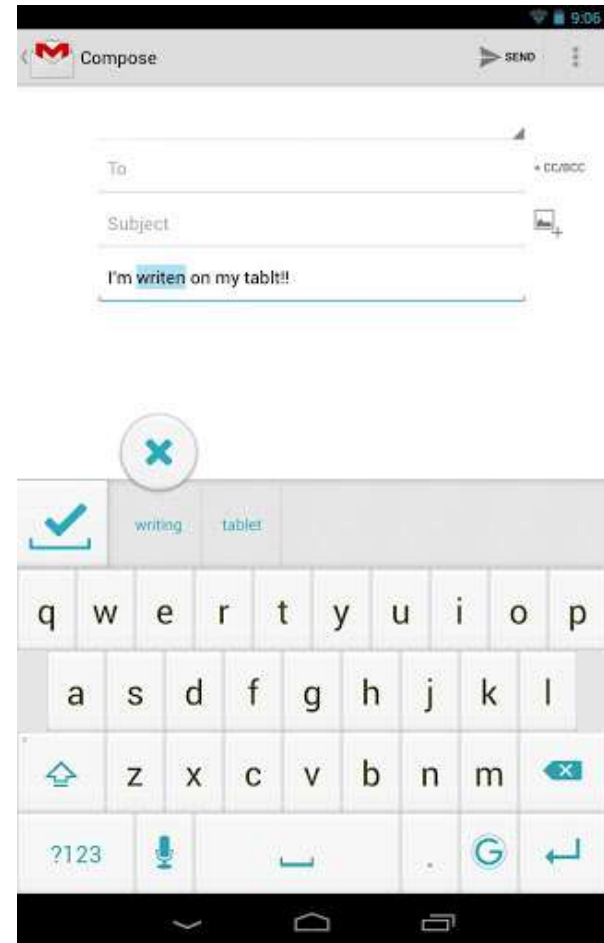
- App version of Word Q software
- Not available with SpeechQ right now
- In context word prediction
- Dictionary
- Text-to-Speech
- Dropbox
- Saves documents



Ginger App

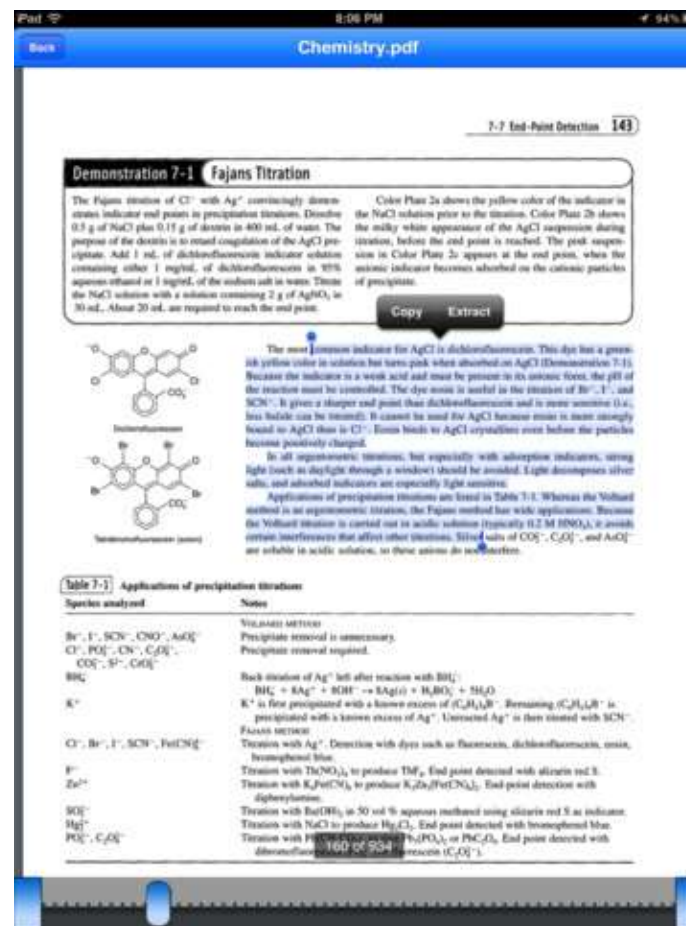


- Free
- Grammar and Spell checker
- Personal Assistant
- Use it to correct text messages, Whatsapp messages, Gmail and Outlook emails, and even social media apps such as Facebook



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, a status bar shows 'Pat', signal strength, time '8:08 PM', and battery level '94%'. Below this is a blue header bar with 'Back' and 'Chemistry.pdf'. The main content area shows a document page titled '7-7 End-Point Selection 143' with a sub-header 'Demonstration 7-1 Fajans Titration'. The text describes the Fajans titration of Cl^- with Ag^+ using dichlorofluorescein as an indicator. It includes a chemical structure of dichlorofluorescein and a table of applications of precipitation titrations. The table lists species analyzed and the corresponding notes for various titrations.

Demonstration 7-1 Fajans Titration

The Fajans titration of Cl^- with Ag^+ conveniently 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 50 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, where the anionic indicator becomes adsorbed on the cationic particles of precipitate.

Chemical Structure: Dichlorofluorescein

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 anion 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 soluble) than the indicator. It cannot be used for AgCl because it is more strongly bound to AgCl than is Cl^- . Some binds to AgCl crystals even before the particles become positively charged.

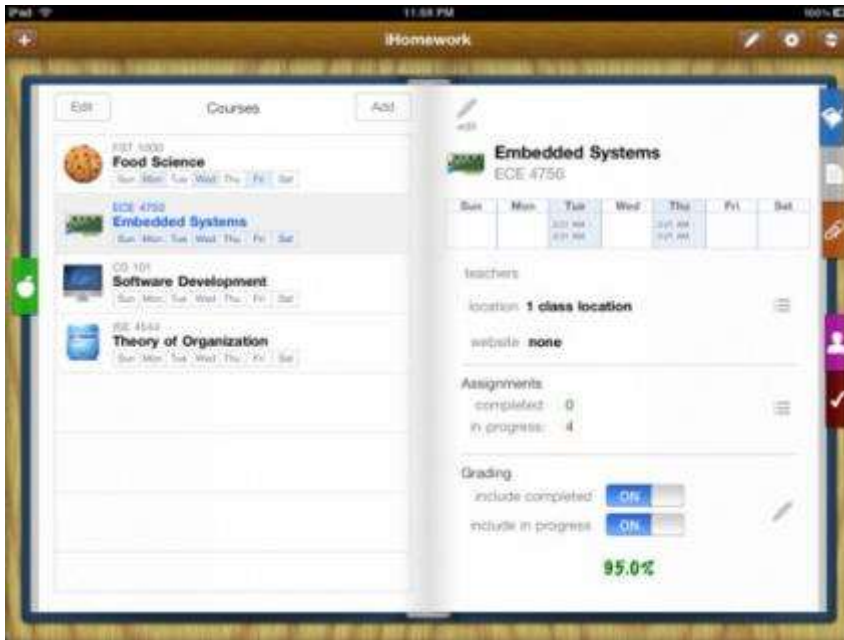
In all precipitation titrations, but especially with adsorption indicators, strong light (such as daylight through a window) should be avoided. Light decomposes silver salts, and adsorbed indicators are especially light sensitive.

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_4^- , AgCl	VOLUMETRIC METHOD Precipitate removal is unnecessary. Precipitate removal required.
Cl^- , PO_4^{3-} , CN^- , $\text{C}_2\text{O}_4^{2-}$, CO_3^{2-} , S^{2-} , CrO_4^{2-}	Back titration of Ag^+ left after reaction with BiCl_3 : $\text{BiCl}_3 + 3\text{Ag}^+ + 3\text{OH}^- \rightarrow \text{Bi(OH)}_3 + 3\text{AgOH} + 3\text{H}_2\text{O}$ K^+ is first precipitated with a known excess of $(\text{C}_2\text{H}_5\text{O})_2\text{P}_2\text{O}_7^{4-}$. Remaining $(\text{C}_2\text{H}_5\text{O})_2\text{P}_2\text{O}_7^{4-}$ is precipitated with a known excess of Ag^+ . Unreacted Ag^+ is then titrated with SCN^- .
Cl^- , Br^- , I^- , SCN^- , Fe(CN)_6^{4-}	FAJANS METHOD Titration with Ag^+ . Detection with dyes such as fluorescein, dichlorofluorescein, eosin, bromophenol blue. Titration with $\text{Ti(NO}_3)_3$ to produce TiF_6^{3-} . End point detected with alizarin red S. Titration with $\text{K}_2\text{Fe(CN)}_6$ to produce $\text{K}_2\text{Fe(CN)}_6$. End point detection with diphenylamine.
F^- , Zn^{2+}	Titration with Ba(OH)_2 in 50 mL 5% aqueous methanol using alizarin red S as indicator. Titration with NaCl to produce Hg_2Cl_2 . End point detected with bromophenol blue.
SO_4^{2-} , Hg_2^{2+} , PO_4^{3-} , $\text{C}_2\text{O}_4^{2-}$	Titration with Pb^{2+} to produce PbSO_4 , $\text{Pb}_3(\text{PO}_4)_2$, or PbC_2O_4 . End point detected with dichlorofluorescein or 1,6-DI-OS-2,4,6-trinitrophenol ($\text{C}_6\text{H}_2\text{N}_3\text{O}_6$).

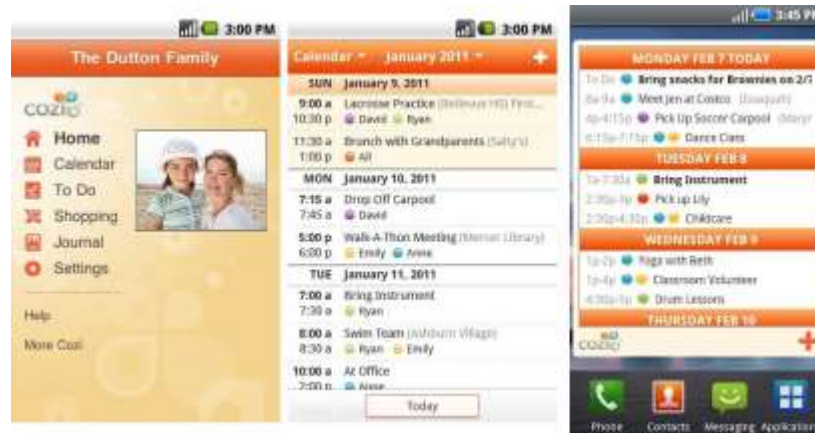
iHomework



- 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

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.



Reminders



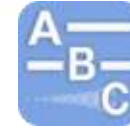
- Built-in App
- Works with VoiceOver
- Organize your reminders
- Siri if have iPhone 4s or 5
- The new iPad

Say it & Mail it Pro



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

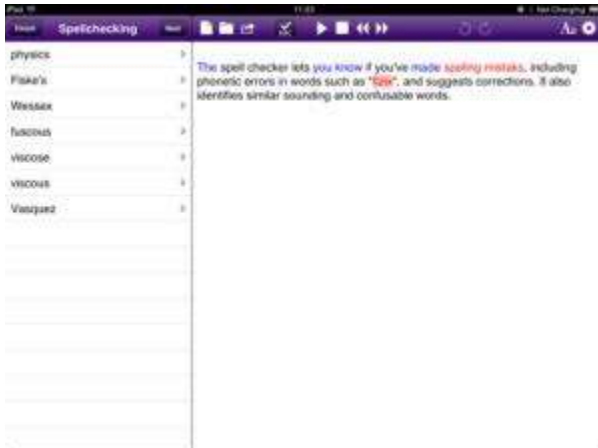
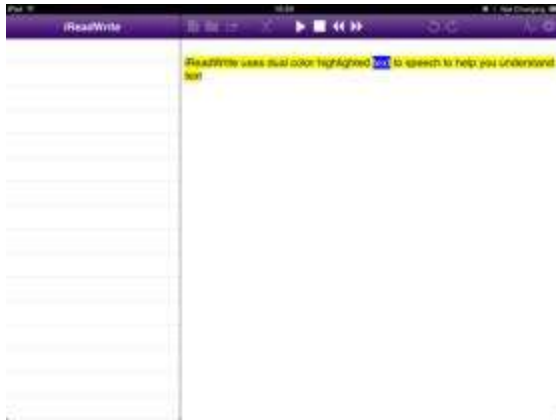
Brevity



- Word Completion App
- Automatically add words if not in list
- Remembers how often you use words and offers the most frequently chosen options to you first
- E-mail Support - Send e-mails from directly within the application
- Text Message Support
- Remove misspelled or unwanted words
- Set prediction font size and window transparency

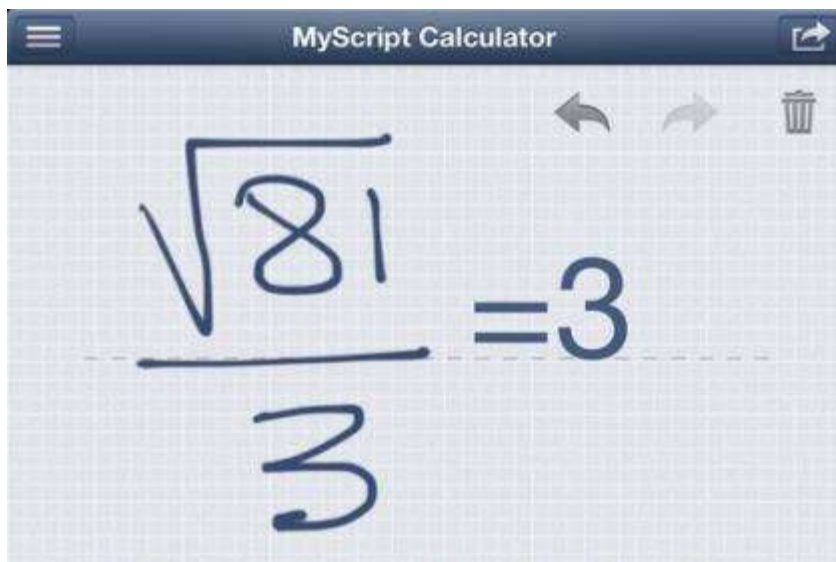


iWriteRead



- 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

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

MyMedSchedule



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



ICE

In Case of Emergency

- Emergency contact list
- Central place for you to record any medications
- List allergies or medical conditions
- Pre-loaded medical information to choose from
- Free
- www.ice-app.net



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



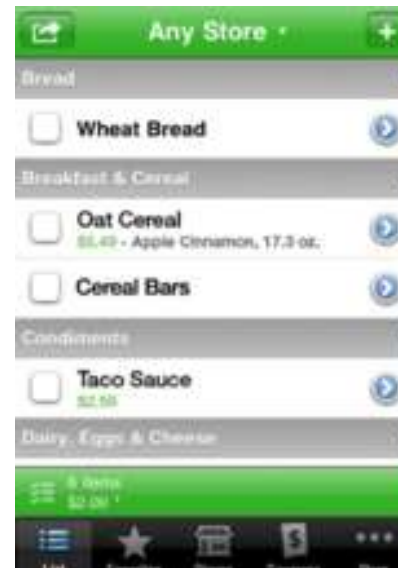
- Use Bump™ to share contact information and photos by simply bumping two phones together.
- Just open Bump, hold your phones, and gently bump your hands together
- **Free!**

[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



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

Talk with Us!

What are Your Favorite Apps?



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



We are Here to Help You!

Carolyn Phillips

Director of Tools for Life

Carolyn.Phillips@gatfl.gatech.edu

Ben Jacobs

Accommodations Specialist

Ben.Jacobs@gatfl.gatech.edu

Liz Persaud

Training, Outreach and Development Coordinator

Liz.Persaud@gatfl.gatech.edu

Martha Rust

AT Specialist

Martha.Rust@gatfl.gatech.edu

Rachel Wilson

TechMatch 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, AMAC Accessibility Solutions 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.