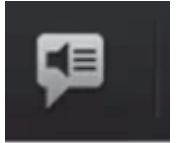


# Assistive Technology for Learning Disabilities

7 easy to use tools for classroom and home

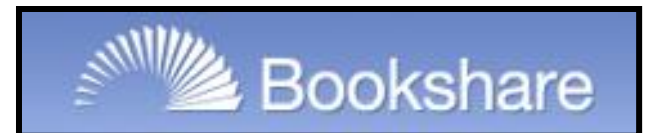




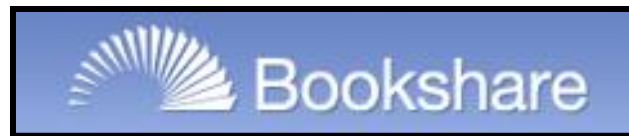
Accessible Books for students with  
print disabilities

Bookshare® is an online library of digital books for people with print disabilities. It operates under an [exception to U.S. copyright law](#) which allows copyrighted digital books to be made available to people with qualifying disabilities:

- Vision Disability
- Learning Disability
- Physical Disability



Bookshare Members download books, textbooks and newspapers in a compressed, encrypted file. They then read the material using adaptive technology, typically software that reads the book aloud (text-to-speech) and/or displays the text of the book on a computer screen, or Braille access devices, such as refreshable Braille displays.



# WHO Qualifies?

| Disability  | Qualified/Not Qualified  | Examples of Competent Authorities   |
|---|--|---|
| <ul style="list-style-type: none"><li>• Visual Impairment (VI)</li><li>• Blindness / Low vision</li></ul> | Qualified, if confirmed by a listed Competent Authority  | <p>A family doctor, ophthalmologist, optometrist, Teacher of the Visually Impaired, Special Education teacher</p> <p>Certification from the National Library Service for the Blind and Physically Handicapped in the U.S. or similar national body in other countries</p> |
| <ul style="list-style-type: none"><li>• Physical Disability (PD)</li></ul>                                | Qualified, if confirmed by a listed Competent Authority that the disability significantly affects the use of printed materials               | A family doctor or other medical professional, physical therapist, resource specialist, Special Education teacher   |
| <ul style="list-style-type: none"><li>• Learning Disability (LD)</li><li>• Reading Disability</li></ul>   | Qualified, if confirmed by a listed Competent Authority, that the disability has a physical basis and significantly affects the use of print | A neurologist, psychiatrist, learning disability specialist, Special Education teacher, school psychologist, or clinical psychologist with a background in learning disabilities  |

# WHO Doesn't Qualify?

|  |   |
|--|---|
| <ul style="list-style-type: none"><li>• Autism</li><li>• Emotional disabilities</li><li>• ADHD</li><li>• ESL and ELL</li><li>• Intellectual Disabilities</li></ul> | <p>Not qualified under this diagnosis, unless accompanied by a qualifying visual, physical, learning or reading disability as certified by a Competent Authority as above</p> |
|--|---|

- People without disabilities
- People who have not yet learned to read, but could
- People who do not speak the language of material they want to read
- People with disabilities that do not impact the ability to read (for example, most hearing and emotional disabilities)

# Membership Options

## Individual Membership

- Free to qualifying
- Students can access/download at home
- Can also be under Organizational membership

## Organizational Membership

- Free to schools
- Teacher downloads books
- Access books at school (unless they have a device that goes home)



Bookshare

# Individual Membership

This is what a teacher would complete for an individual membership

## **Step 2 – Proof of Disability**

To be filled out by Competent Authority (please type or print)

**Please place an "x" next to any that apply for the above Applicant:**

- ☐ Visual impairment that prevents effective reading of standard print (blind, legally blind, or with other functional vision limitations).
- ☒ Severe learning disability that prevents effective reading of standard print.
- ☐ Physical disability that prevents reading print or using a print book.

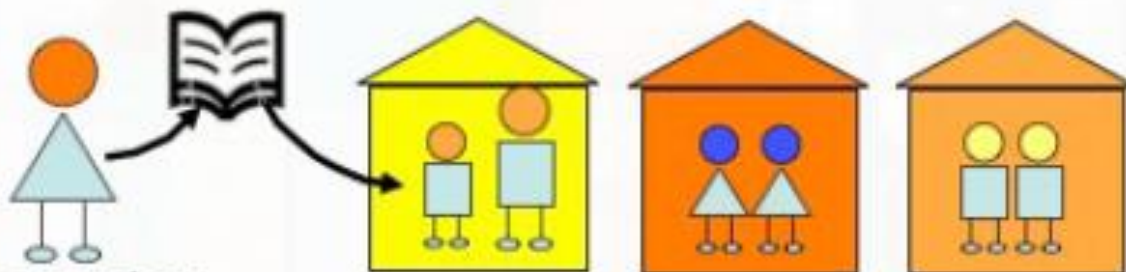


# How to sign up your school/district

- Identify a Primary contact
- Create account online
- Respond to Welcome email
- Agree to Bookshare terms and fax signed agreement
- Add sponsors (teachers) and qualified members (students)

# Add One or More Sponsors

- 📖 Sponsors download books for students
  - ☐ An account can have many Sponsors
  - ☐ Primary Contacts can also download books
- 📖 Sponsors agree to terms
- 📖 Each Sponsor has his/her own password



Sponsor examples:

Teacher, VI teacher, Special Education teacher, Special Education Director, Itinerant teacher, AT Specialist, Resource Specialist, Librarian, Counselor, Administrative Assistant



Bookshare

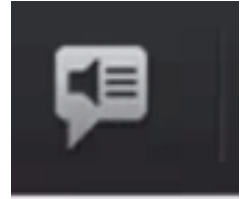
How do you listen/read books?



## Free Readers for BookShare members

- Read Books from an Internet Browser
- Read Books with Downloaded Reader - ReadOutLoud (free)
- Reads books on mobile Apple device-Read2Go (\$19.99)
- Listen on any device that supports MP3 audio or transfer to MP4 version in iTunes for apple devices

# Bookshare Web Reader



- No need to download files or use specialized software
- Google Chrome highly recommended
- Google Chrome extension needed
- Other browsers have limited functionality (no speech-to-text or highlight)
- Flexibility for student to access book from multiple computers



# Read:Outloud Bookshare Edition

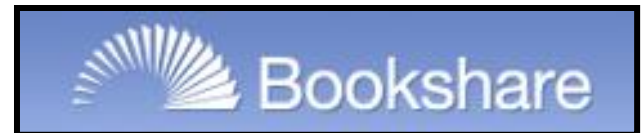


- Free to members
- Compatible with MAC and PC
- Requires download
- Free add-on high quality voices also downloaded

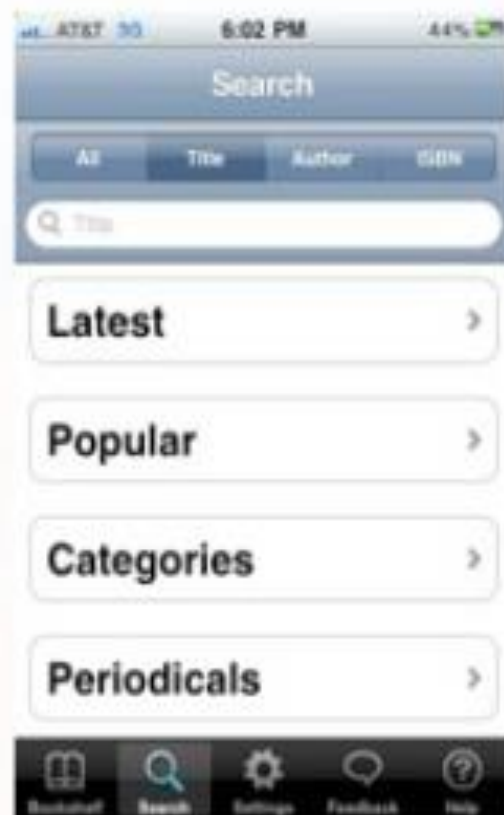
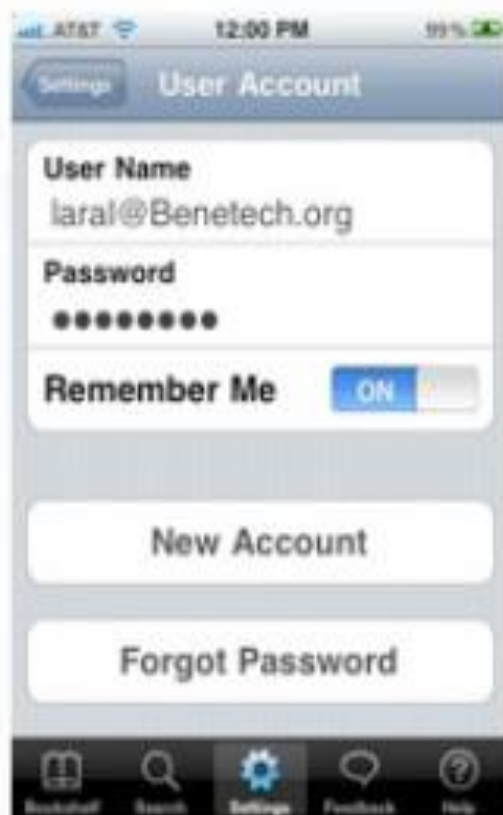
# Mobile Reading!



For Ipad Touch, Iphone, Ipad  
\$19.99 per device

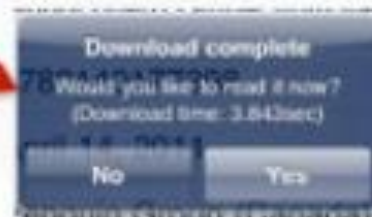


# Read2Go Connects Directly to





# Search, Download, and then Read or Save for Later



Bookshare



# Read2Go

## Settings for Different Needs

- ☐ Word-by-word highlighting on
- ☐ Audio on
- ☐ Highlight colors match background
- ☐ Set font size up to 70 pt
- ☐ Set background and text colors for optimal reading
- ☐ Optional audio, on or off
- ☐ Voice Over navigation and gestures
- ☐ Choice of voice and rate



# Bookshare Training video [page](#)

What is [Bookshare](#)?

Who is [eligible](#)?

How to get [individual memberships](#) for students already on organization account

How to [find and request](#) a book

How to download books from [internet](#)

How to download [MP3 version](#) of book

How to download [Read:OutLoud](#) version

How to download Bookshare [Web Reader](#)

# Bookshare Support

- Quick guides
- Brochures
- Parent letters
- Online support
- Tutorials
- Webinars
- Online learning modules



## Download for PC

The most *accessible* web browser available.



Instructions for downloading Google Chrome can be found on the LCISD website.

After installing Google Chrome, Download Select and Speak, a free extension to read text aloud on the internet

# Download Select and Speak

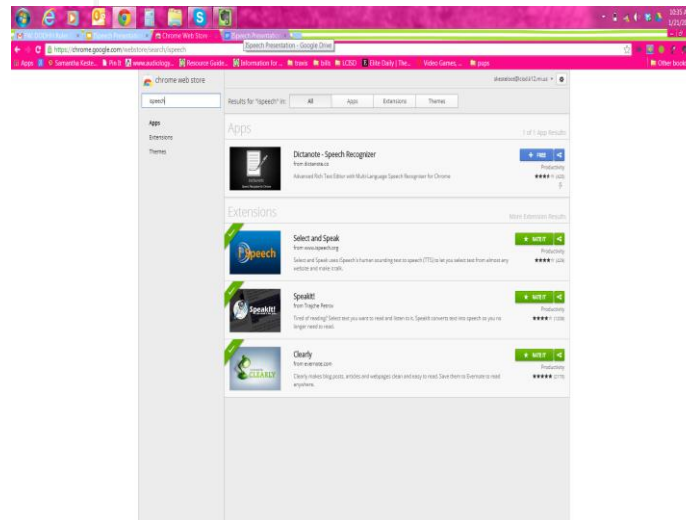
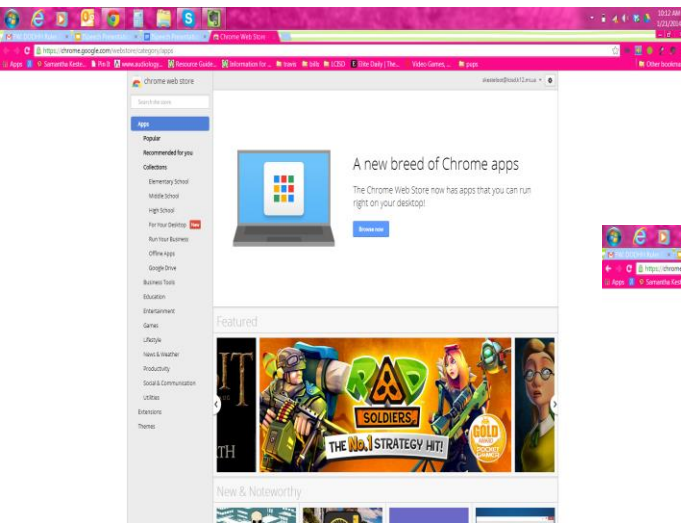


Go to Google Store-

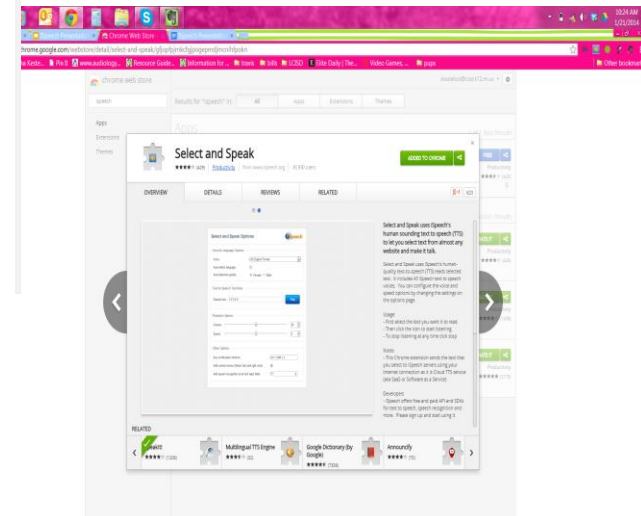
<https://chrome.google.com/webstore/category/apps>



## Search iSpeech



## Choose Select & Speak



# What *is* Select and Speak?



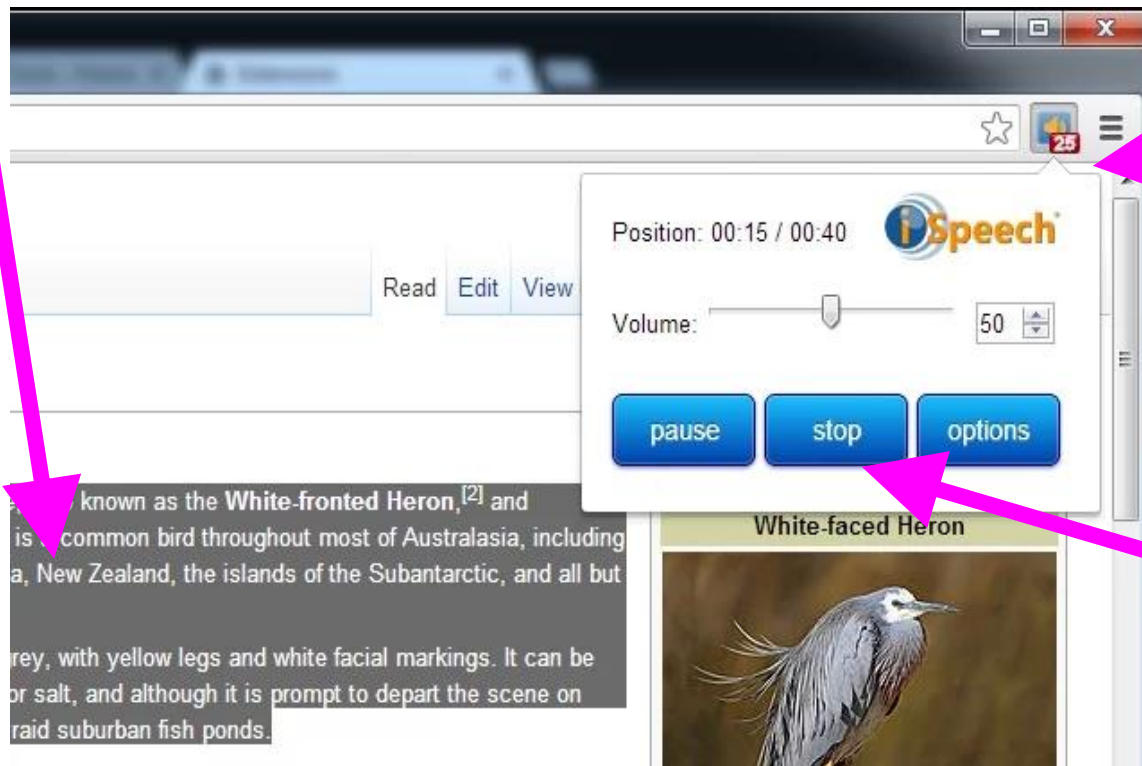
- Uses iSpeech's human sounding text to speech (TTS) to let you select text from almost any website and make it talk.
- Includes 43 iSpeech text to speech voices.
- Users can configure voice and speed options by changing the settings on the options page. Note: This Chrome extension sends the text that you select to iSpeech servers using your Internet connection as it is Cloud TTS service (aka SaaS or Software as a Service)
- [Click here for A VIDEO CLIP](#)



# How to use Select and Speak



Select the text you want read.

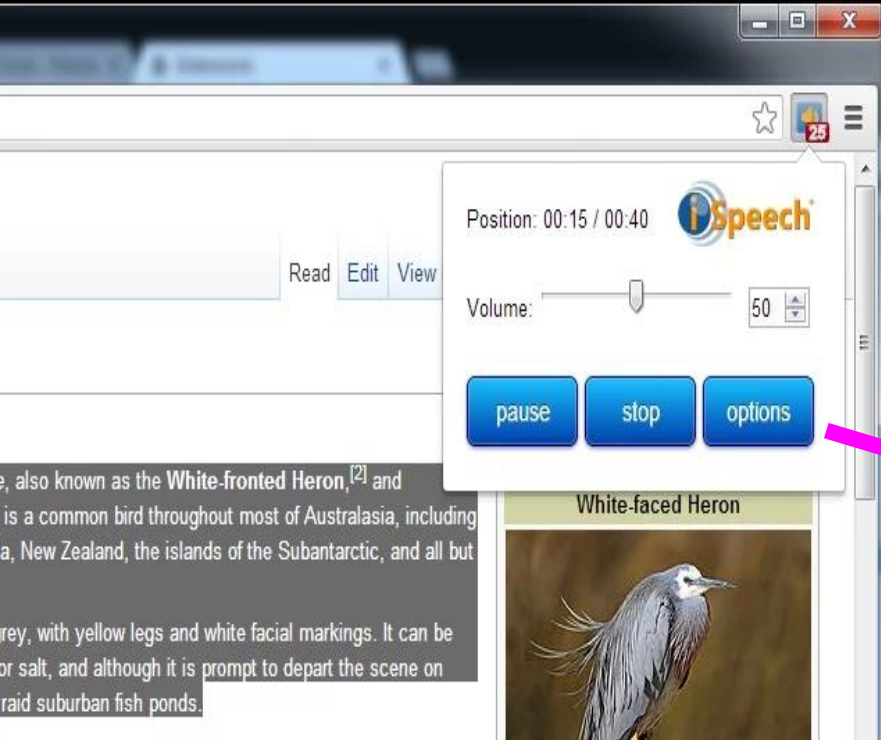


Click the icon to start listening.

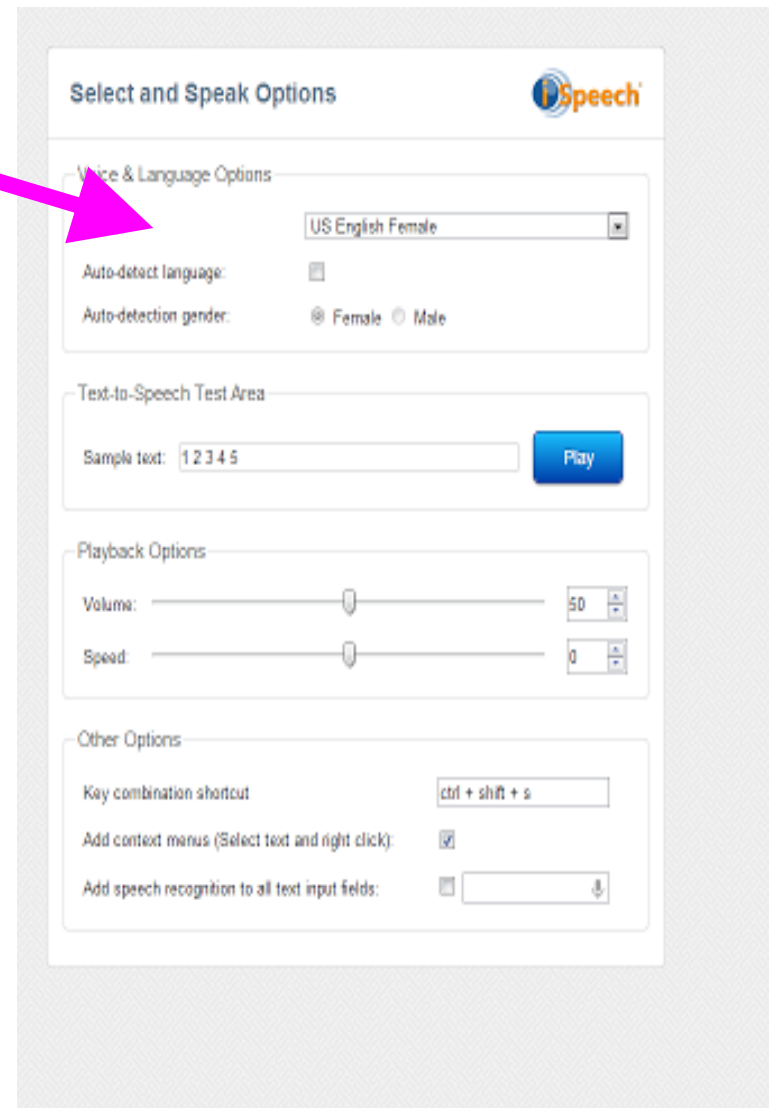
To stop listening at any time click stop.



# Select and Speak Program Options

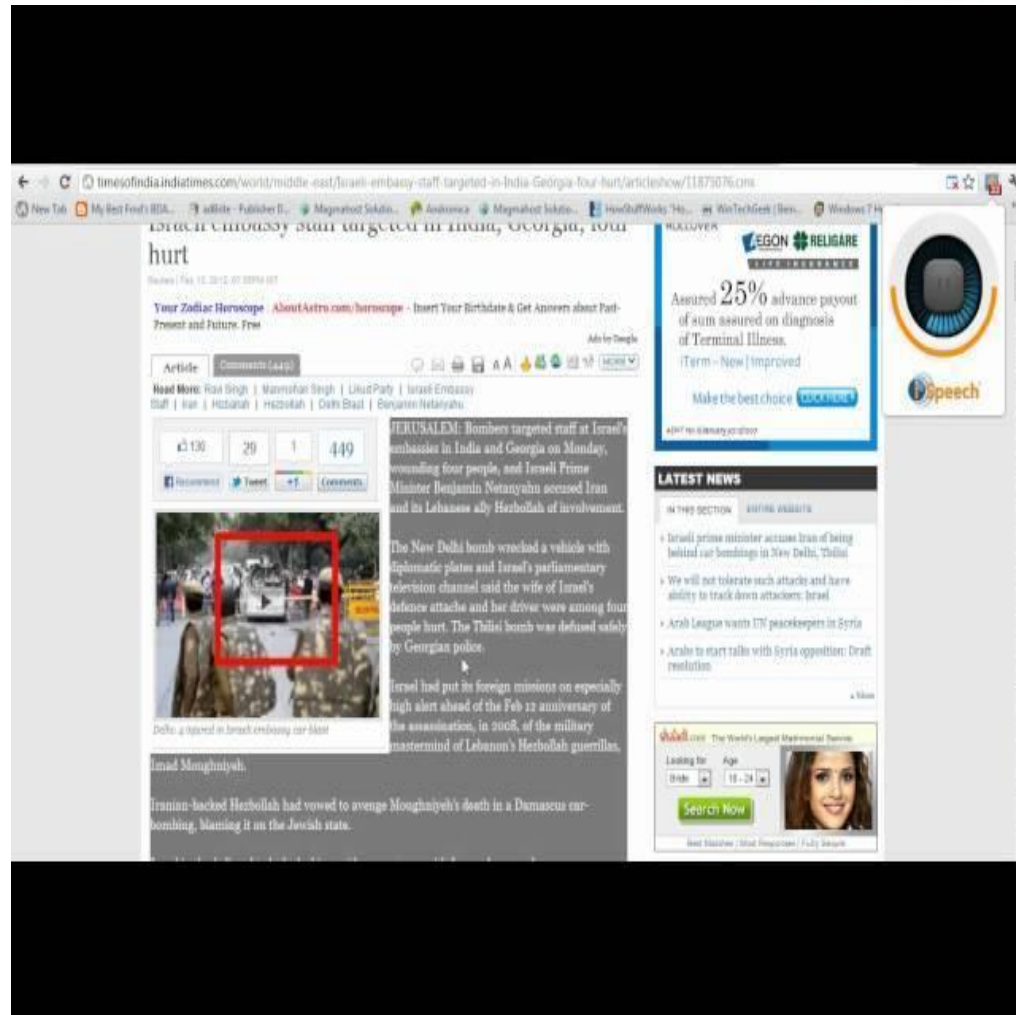


- Change the language spoken.
- Ability for program to automatically detect language & gender of page.
- Test your selected options.
- Adjust volume & speed of speech.
- Create keyboard shortcut.
- Add context menus & speech recognition to all text input fields.





Select and speak tutorial from



[https://www.youtube.com/watch?v=AB\\_5AGgFmw](https://www.youtube.com/watch?v=AB_5AGgFmw)

# Speak Selection for

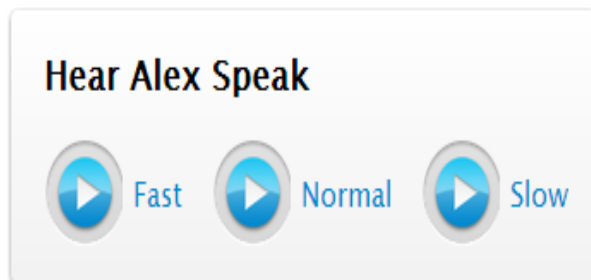
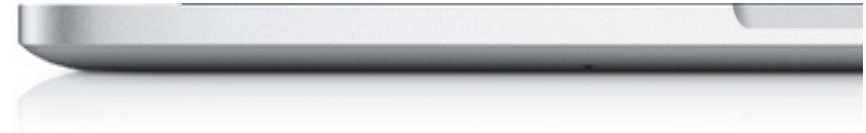


Read text aloud  
with built in  
features



# Alex for OS X

- 
- With Text to Speech, you can highlight any text, and Alex will read it aloud.
- Choose from other male or female voices to do the reading.
- Adjust the speaking rate.
- Choose from over 20 built-in languages.



## The Alex Voice

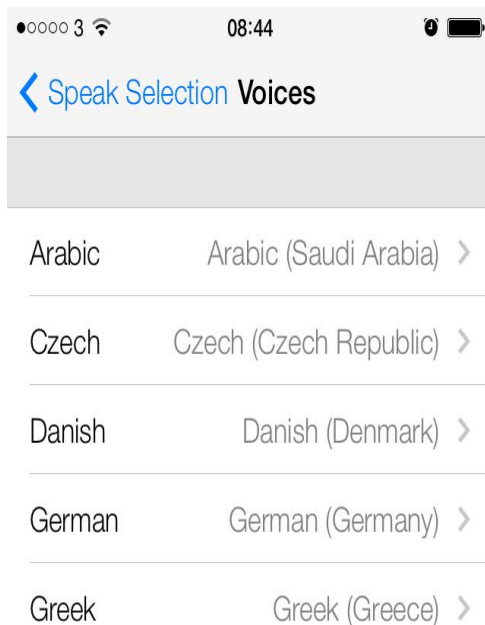
Alex is the voice of Mac, and he uses advanced technologies to deliver natural-sounding speech. While most text-to-speech systems analyze and synthesize text one sentence at a time, OS X analyzes text a paragraph at a time to decipher the context of words more accurately. This helps Alex more closely match the nuances of how people really talk. He sounds so natural, he even pauses for a breath between long passages. So when Alex reads longer passages in books, articles, and news stories, you understand them more easily.

<http://www.apple.com/accessibility/osx/>

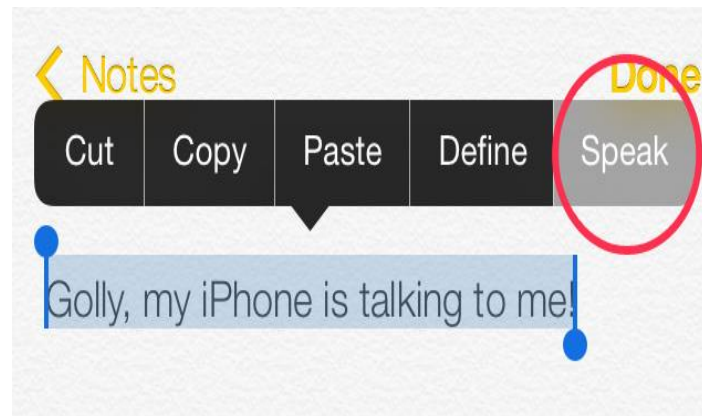
# Speak Selection for iPad

- Reads your email, iMessages, web pages, and books to you.

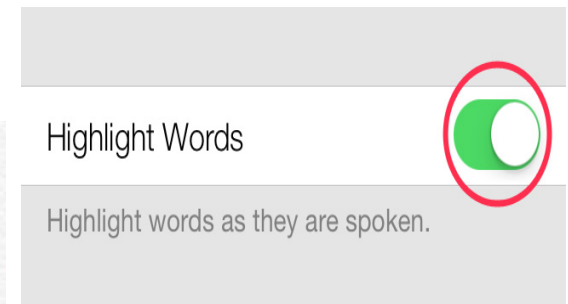
- Adjust the voice's dialect.



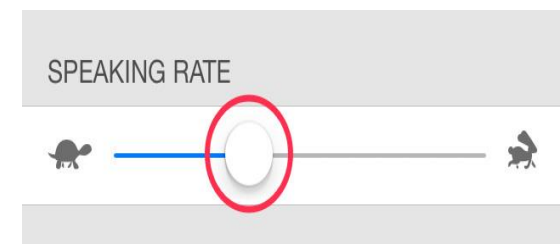
- Highlight text in any application, tap Speak, and Speak Selection reads the selected text aloud.



- Highlight text as it's being read.



- Adjust the voice's speaking rate.





Word Prediction Software

# Co:writer

- The only word prediction program to use the context of a whole sentence to predict the next word.



# Which students will benefit from this program?

Students who have a learning disability in reading or writing.

Case studies for students as young as 7 years of age





- Co:Writer 7 functions identically on Mac and Windows platforms
- PC version     \$290





ios version \$17.99

Since iOS limits apps to run one at a time, students write in a dedicated writing space then send their writing to other apps like Twitter, Facebook, Dropbox, or the clipboard to be pasted anywhere.



Co:writer works in conjunction with any application you write in

- MS Word,
- Web Browsers,
- Google Docs,
- Blogs,
- Email, and more.



# FlexSpell

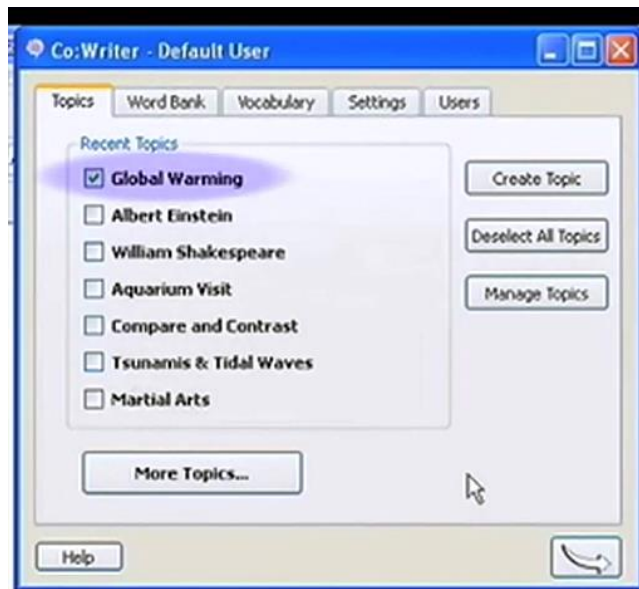
- Co:Writer interprets spelling and grammar mistakes and offers word suggestions in real time.
- Turns around even the most egregious spelling errors
- Ex.   Lfnt       elephant



# Topic Dictionaries

## Personal Dictionaries

- Word Bank automatically presents a list of topic-specific words



# Speech Anywhere

- Highlight text on-screen and Co:Writer will read it back to you.
- It works in any application including: MS Word, Google Docs, Open Office, Outlook, Internet Explorer, Firefox, etc.



# Network Ready

- Now you can save your student's Co:Writer files anywhere on your network, WebDisk or on a USB drive for instant access anywhere.



# USB Flash Drive Support

- Run Co:Writer directly from a USB drive (no need to install).





# Show-Me-How Video Tutorial

- [Show-Me-How video tutorials](#)
- demonstrate key Co:Writer functions in less than a minute each.
- [Train-in-30 Tutorial](#)



TalkType





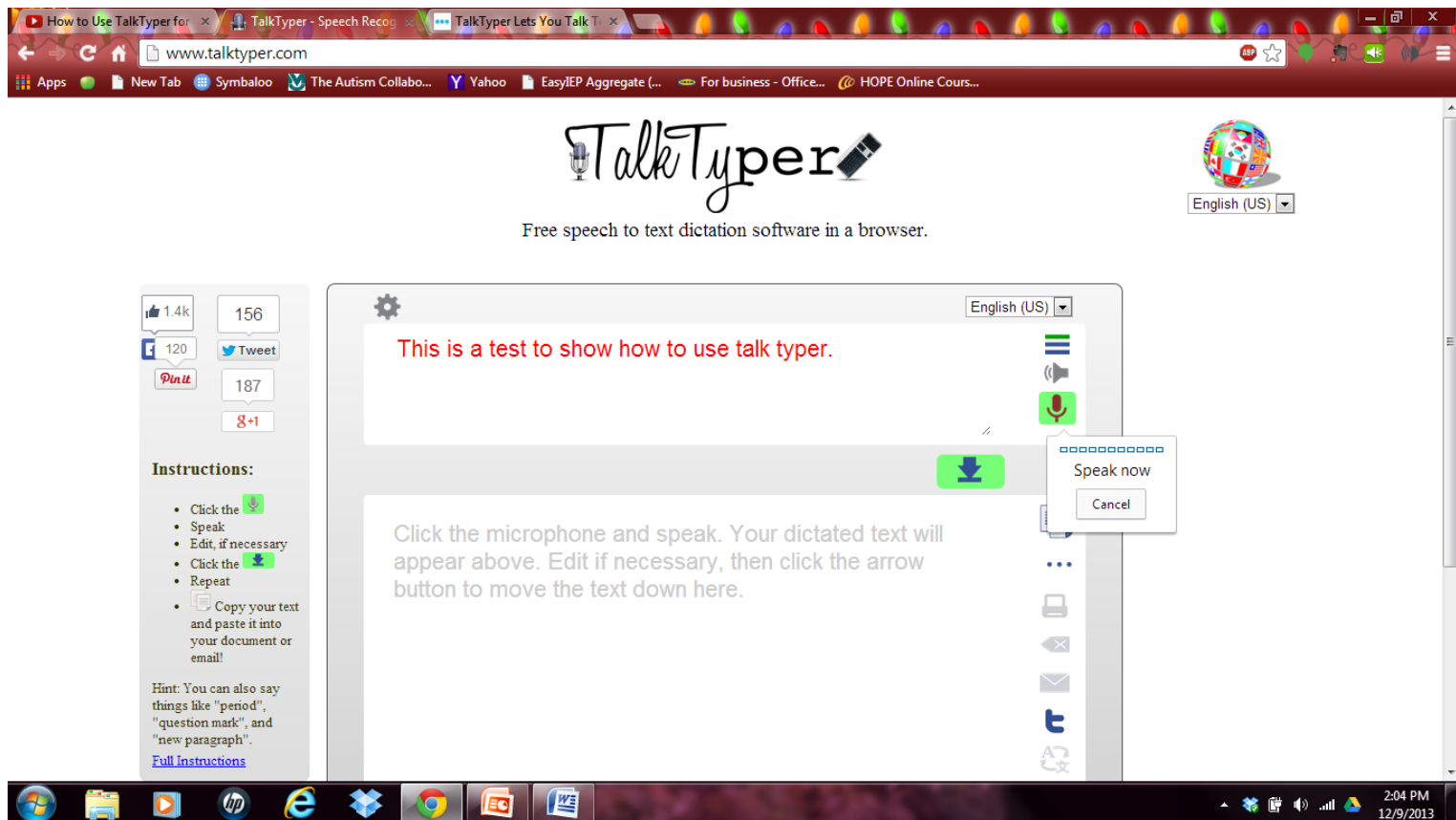
- **TalkTyper** is an easy-to-use web based software that allows speech-to-text dictation within your browser. All you have to do is click a button, speak, and your dictation will automatically be transcribed in a matter of seconds.



- **Where to get it:** [www.talktyper.com](http://www.talktyper.com)
- **Cost:** Free
- **Benefit:** Since it is web based, you do not need administrator rights to download.
- TalkTyper is best used with Google Chrome since this browser has the best support for voice dictation.

# TalkTyper Tutorial

To start, click the microphone button and dictate one sentence at a time. TalkTyper will recognize your speech, and output text will appear in **red** at the top of the page. You can also use commands such as "period", "question mark", and "new paragraph".





# TalkTyper Tutorial

If you want to hear it, you can click the *Speaker* icon.

The screenshot displays the TalkTyper website in a web browser. The browser's address bar shows [www.talktyper.com](http://www.talktyper.com). The website features the TalkTyper logo, which includes a microphone icon, and a globe icon with a dropdown menu set to "English (US)". Below the logo, it states "Free speech to text dictation software in a browser."

On the left side, there are social media sharing buttons for Facebook (1.4k), Twitter (156), LinkedIn (120), and Google+ (187). Below these are social media icons for Facebook, Twitter, LinkedIn, and Google+. A section titled "Instructions:" lists the following steps:

- Click the 
- Speak
- Edit, if necessary
- Click the 
- Repeat
- Copy your text and paste it into your document or email!

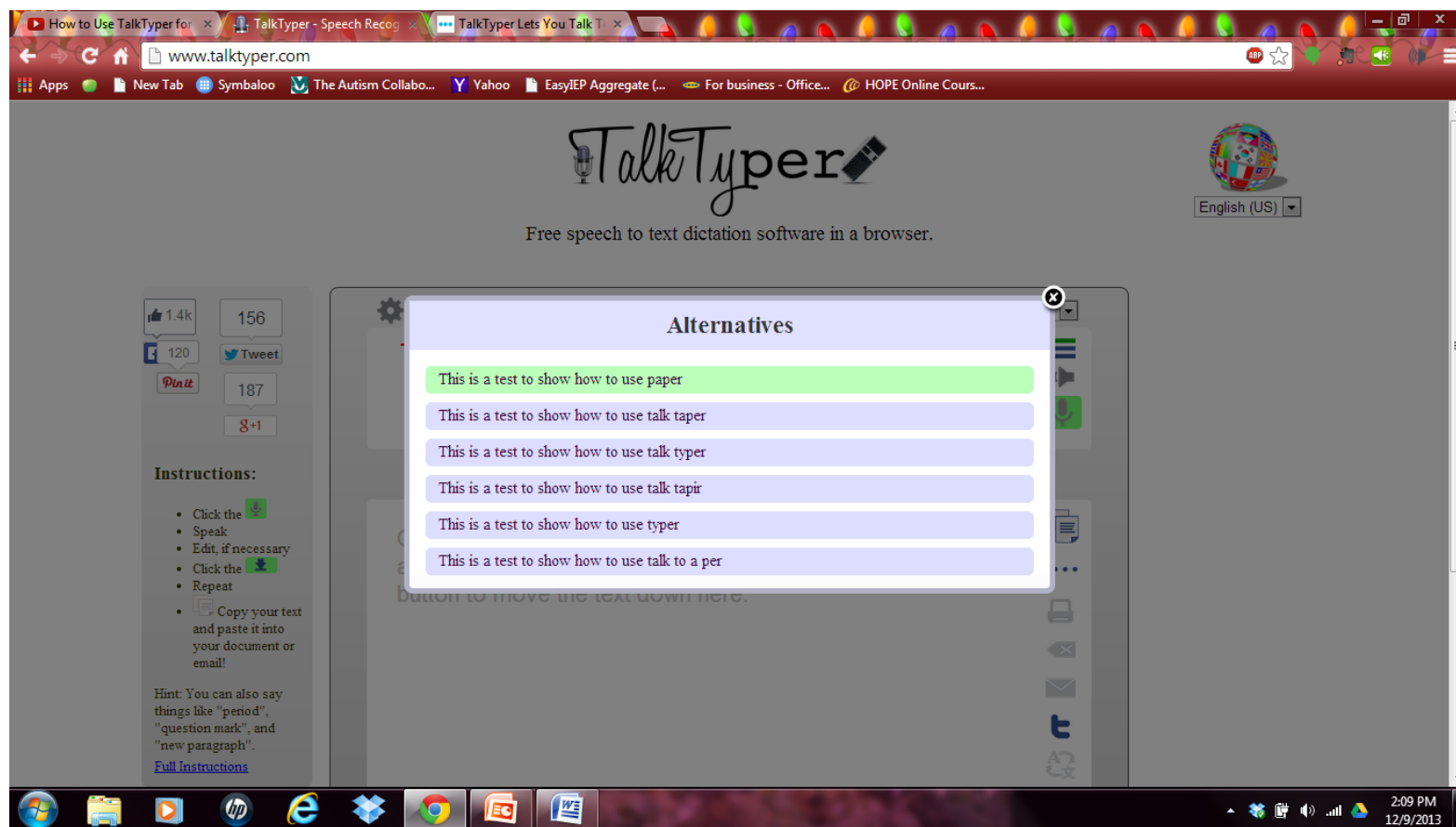
A hint below the instructions states: "Hint: You can also say things like 'period', 'question mark', and 'new paragraph'." A link for "Full Instructions" is provided.

The main interface area contains a text input field with the text "This is a test to show how to use talk typer." in red. Below this field is a green button with a white microphone icon. To the right of the text field is a speaker icon with a tooltip that says "Listen to the text". Below the text field is a green button with a white arrow icon. Below the main interface area is a sidebar with icons for document, list, print, email, and social media (Twitter, Facebook, and a generic share icon).

The Windows taskbar at the bottom shows the time as 2:07 PM on 12/9/2013, along with various system icons and application icons.

# TalkTyper Tutorial

If your speech wasn't recognized correctly, you may click the *Alternatives* button to view other recognitions, or just try again.



# TalkTyper Tutorial

If the text is correct, click the arrow button, and it will be added to the lower box as accepted transcription.

The screenshot displays the TalkTyper website in a web browser. The browser's address bar shows [www.talktyper.com](http://www.talktyper.com). The website features the TalkTyper logo, which includes a microphone icon, and a language selector set to "English (US)". Below the logo, it states "Free speech to text dictation software in a browser."

On the left side, there are social media sharing options for Facebook (120), Twitter (156), and Google+ (187), along with a "Print" button. Below these are the "Instructions:" section and a "Full Instructions" link.

The main interface consists of a large text input area at the top containing the text "This is a test to show how use talk typer." in red. To the right of this area are icons for a list, a speaker, and a microphone. Below the input area is a green button with a downward arrow. A tooltip labeled "Accept dictated text" is visible over this button. Below the button is a large, empty rectangular box for the accepted transcription. On the right side of the interface, there are icons for a document, a printer, an email, and social media links for Facebook and Twitter.

The Windows taskbar at the bottom shows the time as 2:14 PM on 12/9/2013, along with various system icons and application shortcuts.

**Instructions:**

- Click the 
- Speak
- Edit, if necessary
- Click the 
- Repeat
-  Copy your text and paste it into your document or email!

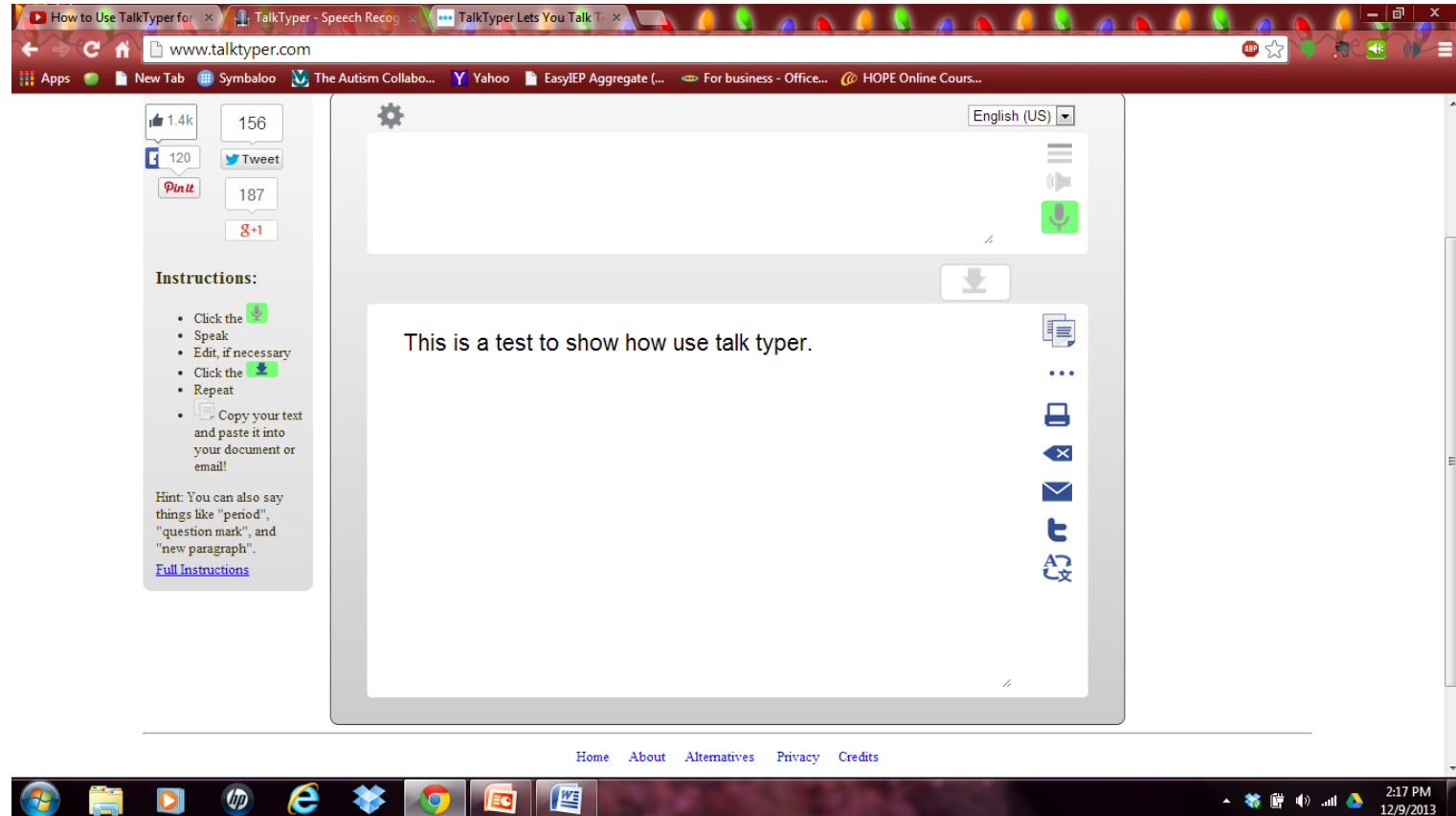
Hint: You can also say things like "period", "question mark", and "new paragraph".

[Full Instructions](#)



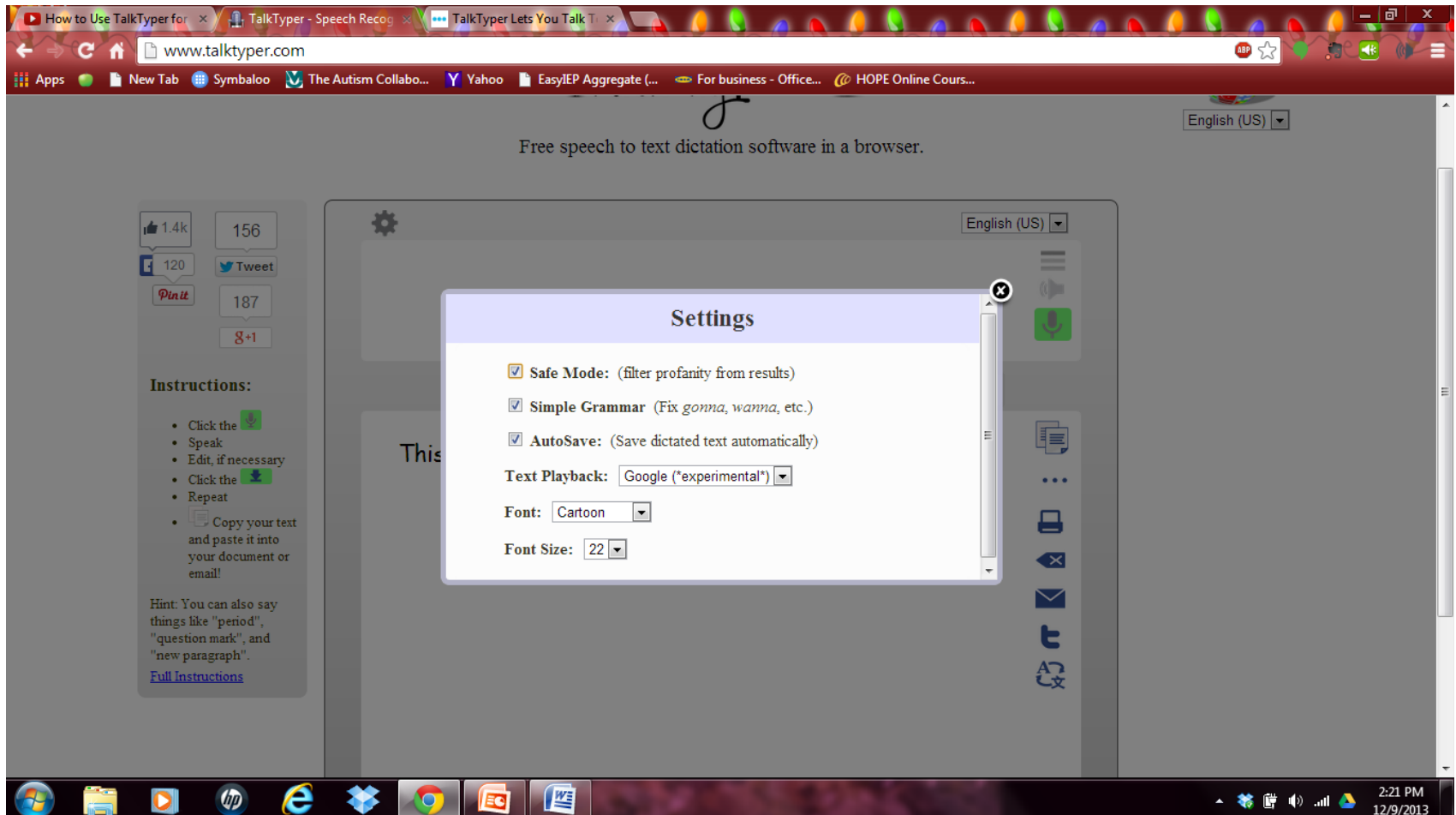
# TalkTyper Tutorial

Once the text has been added to the text field at the bottom of the page, you will be able to access *Copy text to clipboard*, *Add punctuation*, *Print*, *Clear Text*, *Send an email* and *Tweet this text* options. The copied text can then easily be added to your email, tweet, document, or anywhere you want.



# TalkTyper Tutorial

The *Settings* (wheel icon on top left corner) allow you to enable *Safe Mode*, *Simple Grammar* and *AutoSave* options. You can also change the *Font Style* and the *Font Size* from the drop-down menus.



# TalkTyper

- To view an online tutorial or YouTube video, please use the following links:
- tutorial:  
<http://www.addictivetips.com/web/talktyper-lets-you-talk-to-your-browser-for-speech-to-text-conversion/>
- YouTube video:  
<http://youtu.be/zNocEoGb6zo>

# Audio Memos



# Audio memo is a voice memo app for Apple and Android devices.

Not available as PC software.



# Who would benefit from this?

- Students with anxiety (this could allow them to record their speeches to turn into teachers).
- Students who are not able to take down notes during class (for various reasons).
- Students who have fine motor or writing difficulty.



# Apple Devices

- All versions of this app will work on iPhones, iPod touches, and iPads.
- Free app
- Paid app \$.99
- Pro Paid app \$9.99






# Android Devices

- All versions of this app will work on all Android devices.
- Free app
- Paid app .99
- Pro Paid app not available for Android





# Comparison of Audio Memo Free and Paid options

|                            | Audio Memos Free  | Audio Memos Pro   | Audio Memos   |
|----------------------------|---|---|---|
|                            |  |  |  |
| Price                      | Free  | \$9.99  | \$.99   |
| Send by email              | 3 MB  | 15 MB   | 15 MB   |
| USB file transfers         |   | Yes   | Yes   |
| Multitasking               |   | Yes   | Yes   |
| Multiple selection         |   | Yes   | \$.99   |
| Position markers           |   | Yes   | \$.99   |
| Voice and timer activation |   | Yes   | \$.99   |
| Send and receive           |   | Yes   | \$1.99  |
| Adjustable speed           |   | Yes   | \$.99   |
| Compress recordings        |   | Yes   | \$1.99  |
| Insert audio               |   | Yes   | \$4.99  |
| Pictures                   |   | Yes   | \$.99   |
| Alerts                     |   | Yes   | \$.99   |
| Trim recordings            |   | Yes   | \$.99   |
| All extensions             |   |   | \$.99   |

# Audio Memos Pro \$9.99

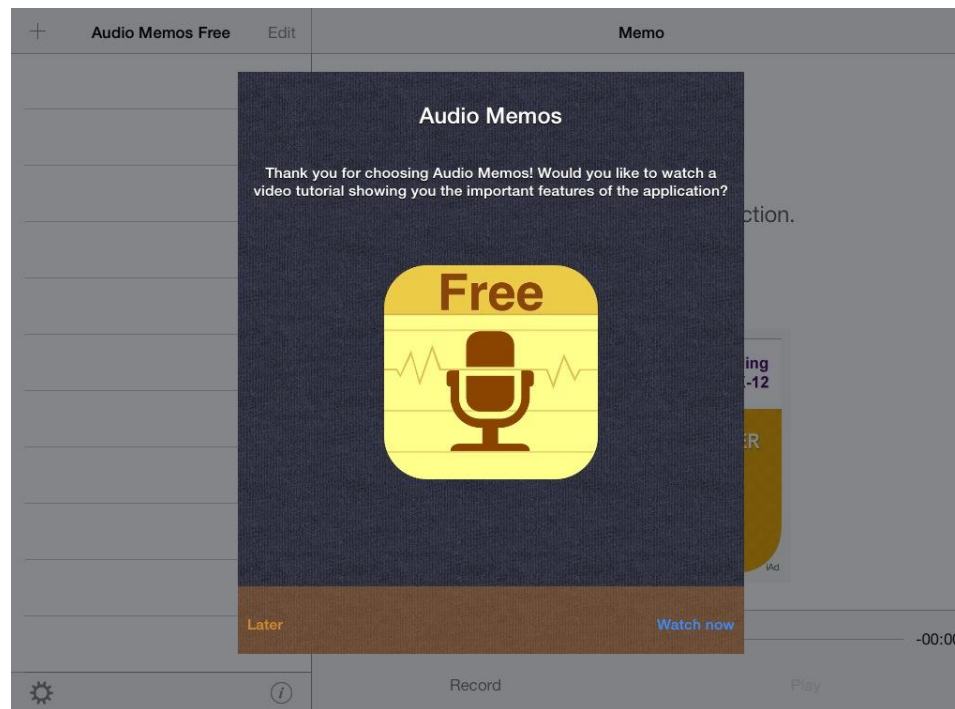
(This option is not available for Android devices)

- This version comes with all of the extensions listed in the \$0.99 version. This way you are paying for all in app purchases up front, rather than individually.
- You will probably not need all extensions



# How to use Audio Memos

- Upon opening the app it gives you the option to watch a video tutorial. If you choose to do so it redirects you to this link.
- [http://www.youtube.com/watch?app=desktop&persist\\_app=1&v=c9TO9Aab2FM](http://www.youtube.com/watch?app=desktop&persist_app=1&v=c9TO9Aab2FM)



# Transferring audio files

- you can transfer your recordings to your PC without emailing them. (directions on tutorials)
  - For Apple, via itunes
  - If you don't have itunes, you can use iExplorer(free) with your iphone/ipad.
  - You can also plug in your device to your laptop and click the website link from audio memo:

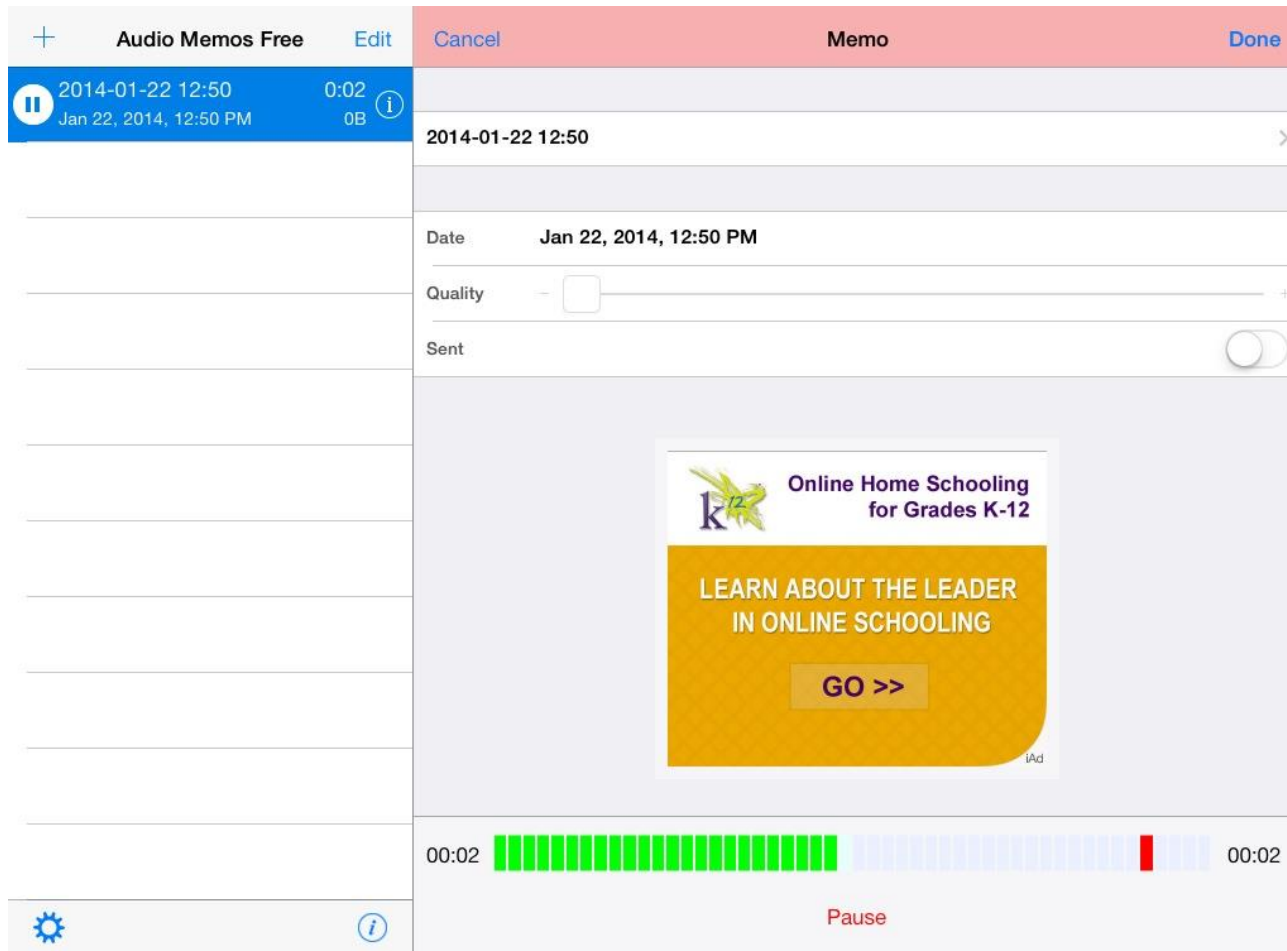
[http://imesart.com/connect\\_to\\_iphone.php](http://imesart.com/connect_to_iphone.php)

Fun tip: you can make your own phone ring tones!



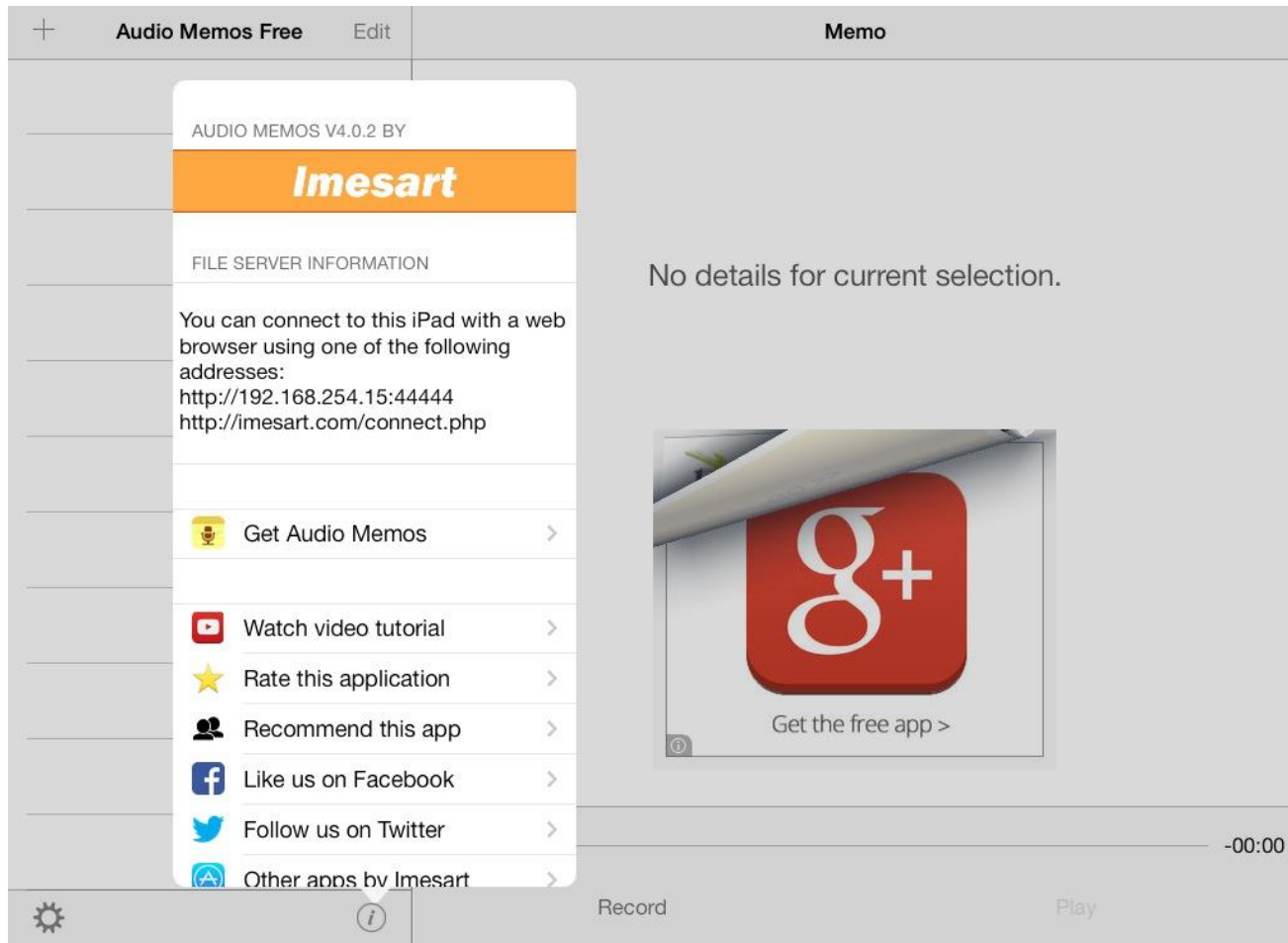
# Screenshots of using the app

(from an Apple device)



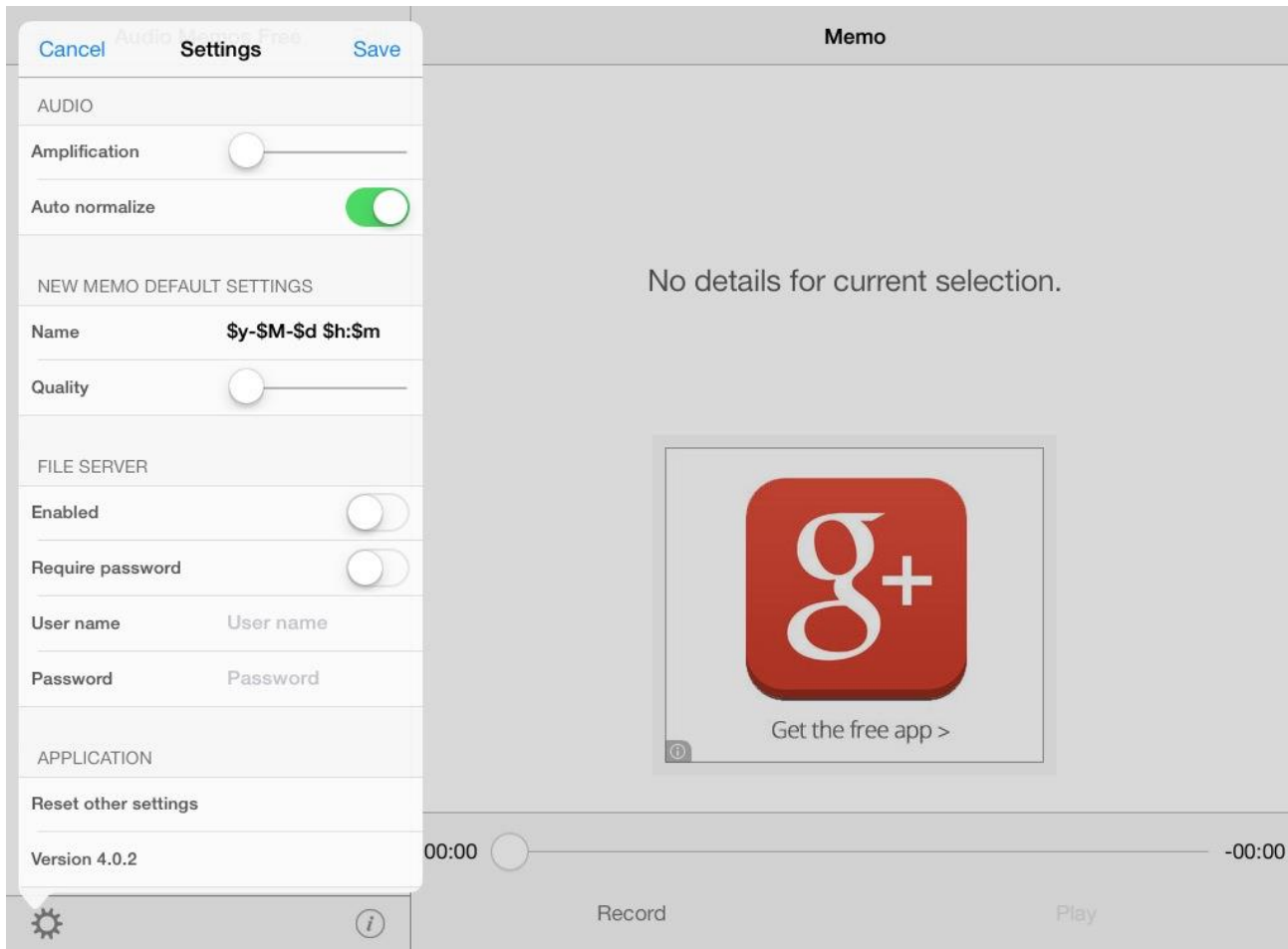
# Screenshots of using the app

(from an Apple device)



# Screenshots of using the app

(from an Apple device)





# NOTEABILITY

A Powerful Note Taking App



# NOTABILITY

With you every  
step of the way



SCHOOL



WORK



ON THE ROAD



HOME



TRAVEL

Notability gives you the freedom to...



Write



Type



Record audio



Take and add photos



And organize

...your notes.

# NOTABILITY

- **Notability** is an app for the iPad that allows you to:
  - Take a note and annotate the note
  - Record a class/lecture or within a document
  - Imports forms, documents, presentations, worksheets, PDF's ,and allows you to mark up the documents with text boxes, audio recordings, and handwritten notes or drawings
  - Helps you organize your work/classes



# NOTABILITY

- Where to get it:
  - [www.gingerlabs.com](http://www.gingerlabs.com)
  - <https://itunes.apple.com/us/app/notability/id360593530?mt=8>
- Cost: \$2.99
- Only for Apple devices



# Who Benefits From Using It?

- Professional staff
- Administrators
- Students with Learning Disabilities
- Students with Autism
- Students with motor impairments (i.e. Cerebral Palsy, Muscular Dystrophy)



# Using for Notes



Audio recordings are linked to content so you can easily navigate a note during playback



# Creating Your Own Notes



# Importing Items with Notability

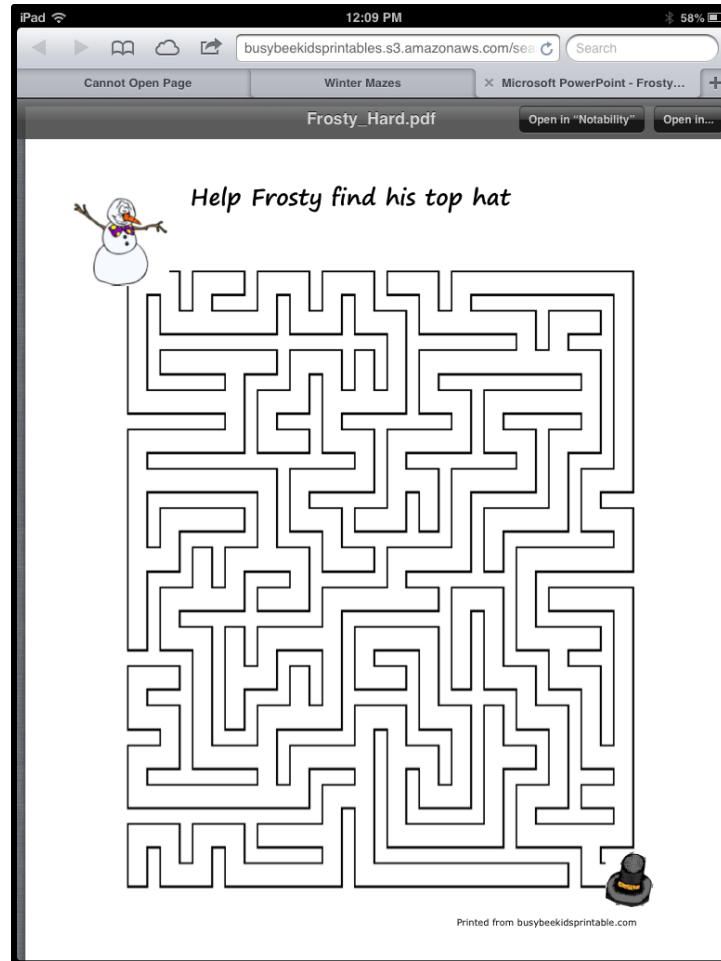
PDFs can be imported in four ways --

- 1) email attachments
- 2) the web
- 3) other apps
- 4) Dropbox, Box, & other cloud services

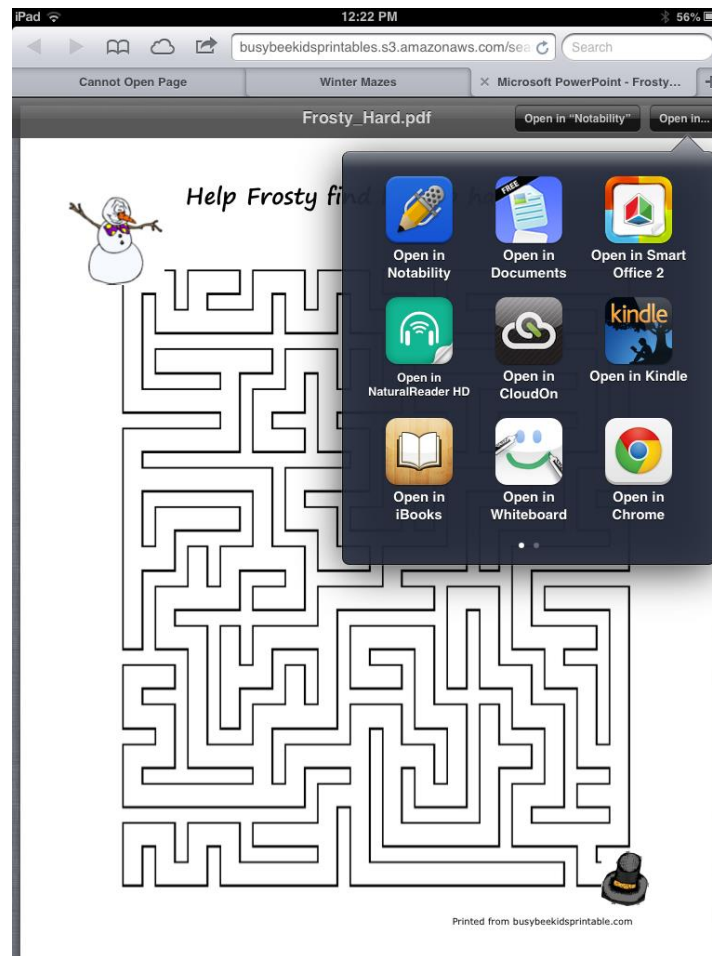




# Importing a PDF From Web



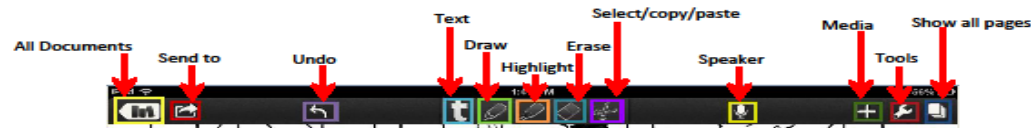
# Opening in Notability



# Noteability for Accessible Worksheet (Importing PDF's)



## Noteability for Accessible Worksheet (Importing PDF's)



### Importing PDF's from email

Once email is open, scroll down to the image, select it and hold until a menu appears.



The menu will open and select Notability.



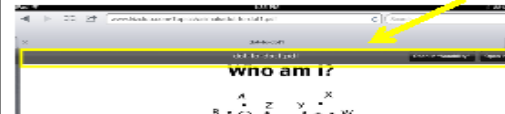
The image will open in Notability and is ready to annotate.



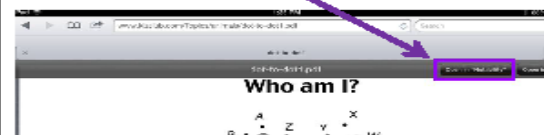
\*To ensure a proper scan using a copier, position the top of the worksheet at the arrow of the copier in a landscape direction.

### Importing PDF's from online

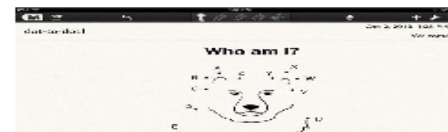
Once the PDF online is found, a black menu bar will appear at the top of the document, when the document is tapped.



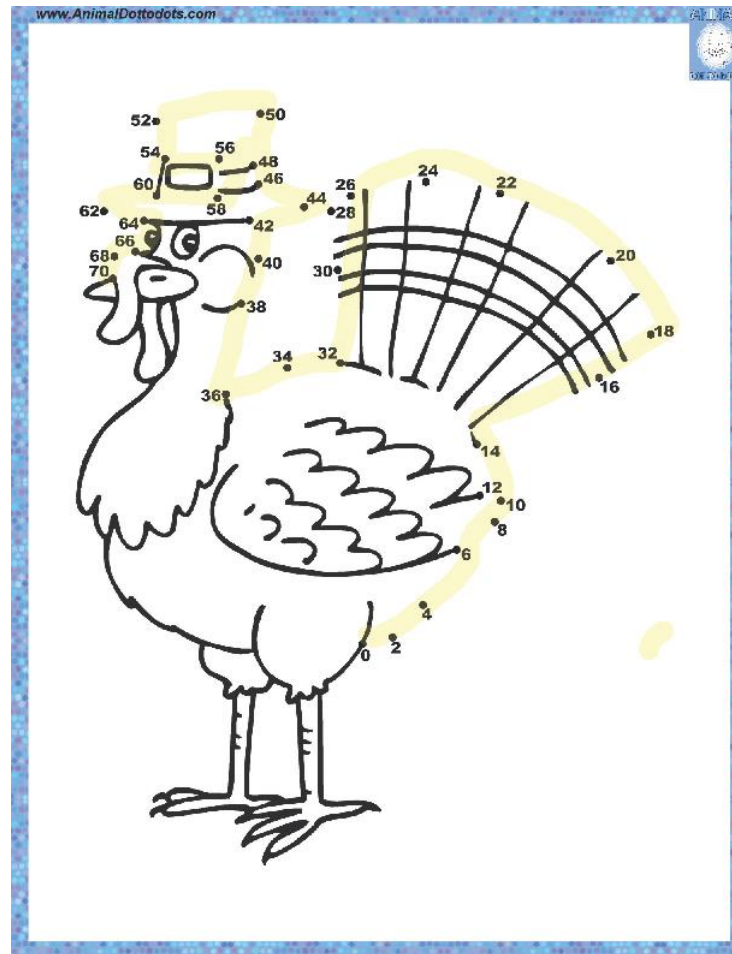
When the Black bar appears tap on Open in "Notability"



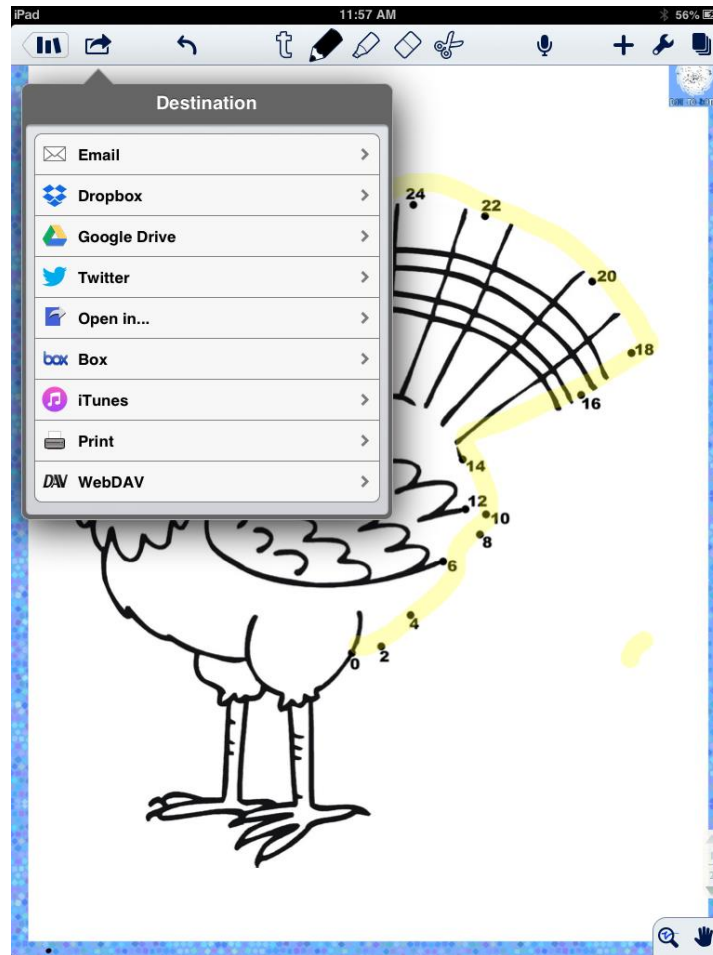
The PDF is in Notability and ready for use.



# Import a PDF



# Saving To A Destination



# Student taking a test

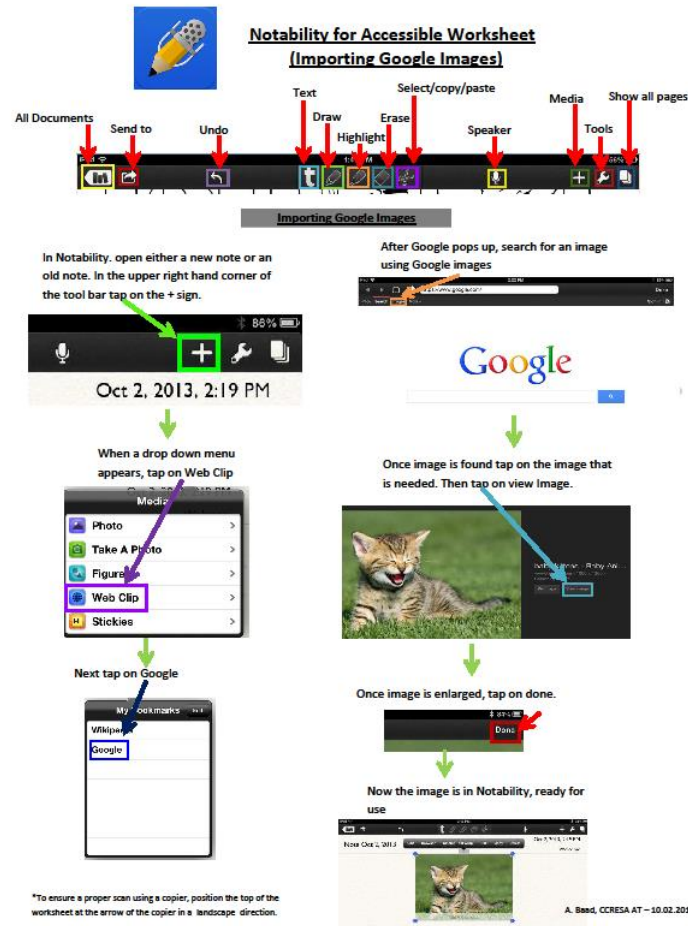


- Do you have a test that you need a student to type, write or draw on on their Ipad?
- Just save as a PDF document, and open in Notability.



|      |              |   |  |       |  |
|------|--------------|---|--|-------|--|
| Name | test student | Date  |  | Class |  |
|      |              | <h2>Responding</h2>   |  |       |  |
|      |              | <i>Hatchet Chapters 1-5</i>   |  |       |  |
|      |              | <b>Personal Response</b>  |  |       |  |
|      |              | How did you react to Brian's thoughts and actions? Do you think that he is sensible or unreasonable? Explain your answer. |  |       |  |
|      |              | I thought that he was unreasonable.   |  |       |  |
|      |              |   |  |       |  |
|      |              |   |  |       |  |
|      |              |   |  |       |  |
|      |              |   |  |       |  |
|      |              | <b>Analyzing Literature</b>   |  |       |  |
|      |              | <b>Recall and Interpret</b>   |  |       |  |
|      |              | 1. Why is Brian visiting his father in Canada? How does Brian feel about his mother?                                      |  |       |  |
|      |              | Brian is in Canada because....  |  |       |  |
|      |              |   |  |       |  |
|      |              |   |  |       |  |

# Noteability for Accessible Worksheet (Importing Google Images)



# Online Support

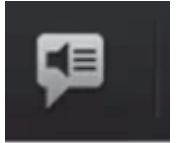
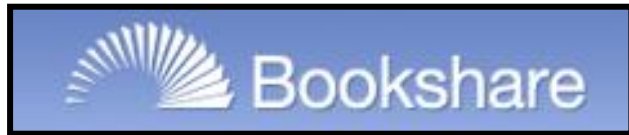
- To view an online tutorial or a YouTube video, please use the following links:
- Tutorial:  
<http://apps4stages.wikispaces.com/file/view/Notability+Tutorial.pdf>
- YouTube:  
<https://www.youtube.com/watch?v=afdb6eL5JzU>





# Assistive Technology for Learning Disabilities

7 easy to use tools for classroom and home



## Assistive Technology for Learning Disabilities

7 easy tools for classroom and home

| TOOL                                  | NEEDS it addresses   | PLATFORM              | PRICE                          | Features  |
|---------------------------------------|--|-----------------------|--------------------------------|---|
| <b>Bookshare</b><br>www.bookshare.com | reading/reading comprehension, attention, fatigue while reading, visual impairment, ESL, physical impairment   | Windows, MAC, and IOS | FREE                           | Free downloadable books (mp3 or text format) of all types (textbooks, novels, etc.) for students that meet eligibility. Text to Speech available through free browser reader or Read Out loud program. Individual and School memberships available. Read2Go must be purchased (\$20) for use with iPad. Readoutloud free for PC/Mac |
| <b>Google Chrome</b>                  | Good for all. Staff and Students. For anyone who needs a screen reader for internet                            | Windows, IOS, mobile  | FREE                           | <a href="http://www.google.com/intl/en/chrome/browser/">www.google.com/intl/en/chrome/browser/</a> most accessible browser.   |
| <b>iSpeech</b>                        | Decoding, attention, fatigue, visual impairment, ESL, physical impairment                                      | Windows, IOS, mobile  | FREE                           | iSpeech add-on extension to google Chrome browser with 43 voices and settings. Free screenreader for browser, mail, calendar and more.  |
| <b>Co-Writer</b>                      | physical impairment, struggling writers/readers, poor vocabulary, spelling, grammar (studies for 7 y/o and up) | Windows, MAC, and IOS | Windows/Mac \$290<br>Ipad \$18 | Word prediction program with the greatest amount of features: Uses whole sentence to predict word, works with all applications (Word, internet, email, etc.) built in dictionary, text to speech, can run off USB so no installation  |
| <b>TalkTyper</b>                      | Poor typers, Writing disability, not good with speech impairments  | web-based             | FREE                           | TalkTyper is an easy-to-use web based software that allows speech-to-text dictation within your browser. All you have to do is click a button, speak, and your dictation will automatically be transcribed in a matter of seconds. Reads back written text.   |
| <b>AudioMemo</b>                      | Anxiety presenting in front of others, poor writers, resistant writers, physical impairments                   | IOS<br>Android        | free<br>.99<br>9.99            | Audio Memos is a voice recorder for the iPhone, iPad and Android. What you'll really like about Audio Memos, is that you can actually HEAR your recordings. It's also easy to use, with a simple and intuitive interface. A .99 version and 9.99 pro (apple only) add versatility and control.                                      |
| <b>Notability</b>                     | LD, ASD, Motor impairments, Administrators and staff   | Apple                 | 2.99                           | note-taking app that lets you record audio and write what a speaker is saying, and syncs both. Mark up PDFs, text documents with notes/audio  |

# For additional tutorials and resources,

- Visit [www.lcisd.k12.mi.us](http://www.lcisd.k12.mi.us).....
  - Departments: Special Education
  - Assistive Technology
- If you would like to schedule a specific training on one of the tools highlighted today, contact:
  - Lesley Bruder [lbruder@lcisd.k12.mi.us](mailto:lbruder@lcisd.k12.mi.us)