

TAPPING INTO YOUR IDEVICE

SARAH STARGARDT

OCT 21, 2016

TEXT SIZE & TEXT EFFECTS

SMALLER CHANGES

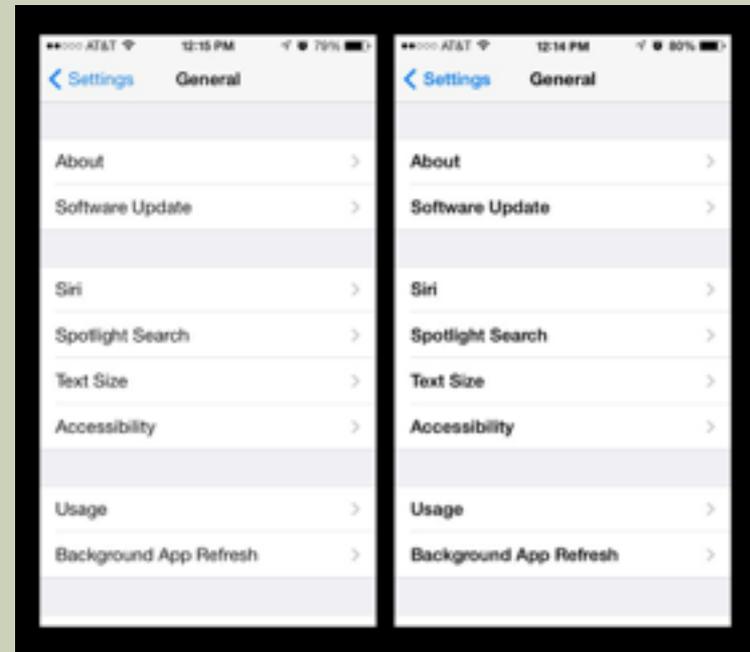
- **Settings > Display & Brightness > Text Size > drag the slider**
- **This exhibits smaller changes to the text size**
- **Can change the brightness for kids who experience light sensitivity**

LARGER TEXT

- **General > Accessibility > Larger Text**
- **Toggle “Large Accessibility Sizes” on**
- **Drag the slider to preferred size**
- **Text will change in:**
 - **Notes**
 - **Mail**
 - **iMessage**
 - **Contacts**
 - **Reminders**
- **Does not increase text size in Settings menus**

BOLD TEXT

- **General > Accessibility > Bold Text**
- **Width of letters will change automatically**
- **Fonts become darker**
- **Turning this on re-starts your iPad**



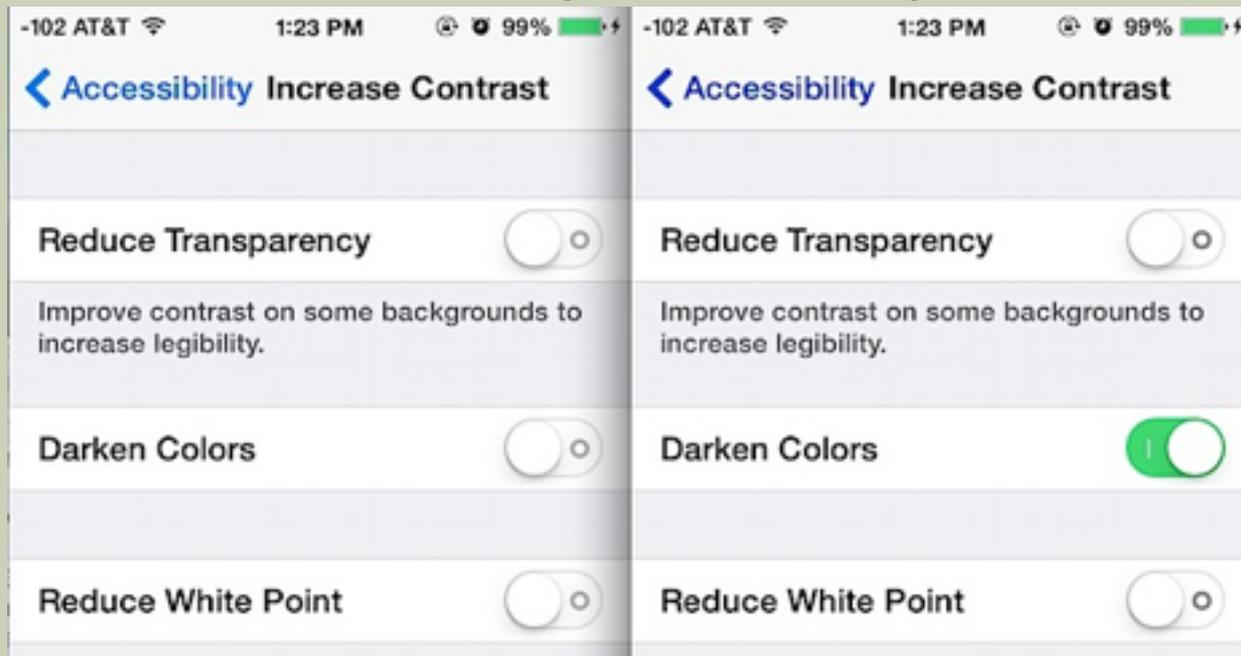
INCREASE CONTRAST

- General > Accessibility > Increase Contrast
- Reduce Transparency
 - Improves contrast on some backgrounds to increase legibility



DARKEN COLORS

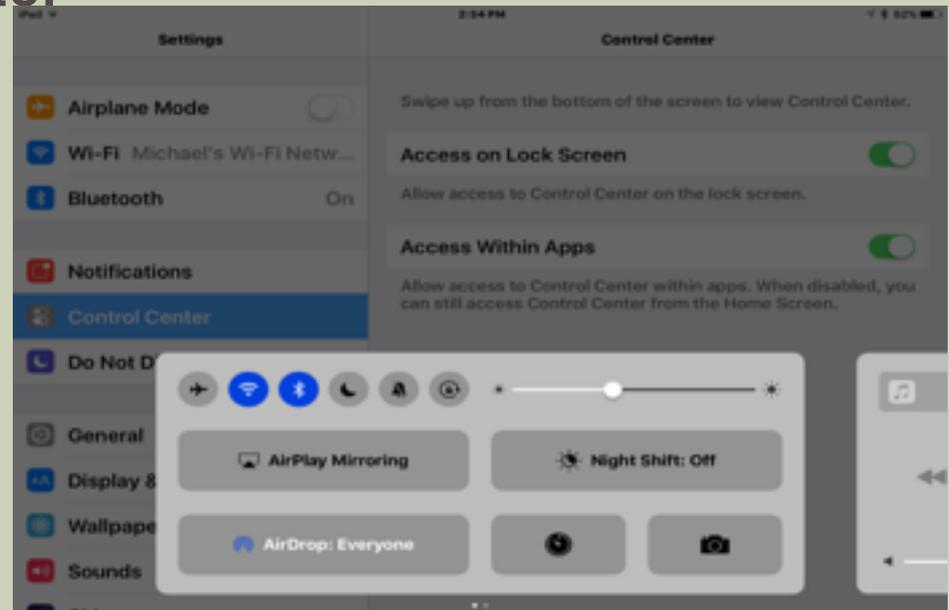
- The same Settings panel you're at will demonstrate the difference when Darken Colors is on or off, though it's surprisingly subtle. Can you see the color difference in these two pictures side-by-side?



- Look at the blue text and arrow for “< Accessibility”, and look at the tiny grey circles within the switches. Again, it's quite subtle, but it does help if you've thought the light blue text was hard to read

NIGHT SHIFT (IOS 9.3)

- adjusts the color temperature of your phone or tablet's display based on the time of day.
- The feature displays a warmer color profile on your device when it's dark out, which will hopefully help users fall asleep more easily.
- accessed from control center



READER VIEW

- Removes clutter from websites to make them reader-friendly
- If reader view is available, safari now shows “reader view available” in the address bar
- Tap the horizontal lines on the left side of the address bar to activate it
- Once activated you can increase or decrease font size (iOS8)
 - Tap the big and small A buttons at the top of the page
- Some websites with Reader View:
 - Nfb.org
 - En.m.wikipedia.org
 - Applevis.com

*This may also be helpful when scanning documents into Kurzweil for braille production

VISION FEATURES

General >
Accessibility >

STANDARD ZOOM

- Magnifies the entire screen
- Think “3 Fingers”!!
- Double-tap three fingers to zoom
- Drag three fingers to move around the screen
- Double-tap three fingers and drag to change zoom
- Maximum zoom can be changed from 1.25x - 15x

*zoom features are available that allow you to create a zoom window

MAGNIFIER

- **SETTINGS>GENERAL> ACCESSIBILITY.**
- **Once enabled, triple clicking the home button will open the camera, provide access to ZOOM through a slider bar**
 - **add lighting through flash activation (phone only)**
 - **lock focus or apply filters**
 - **This can be used for near or distance**

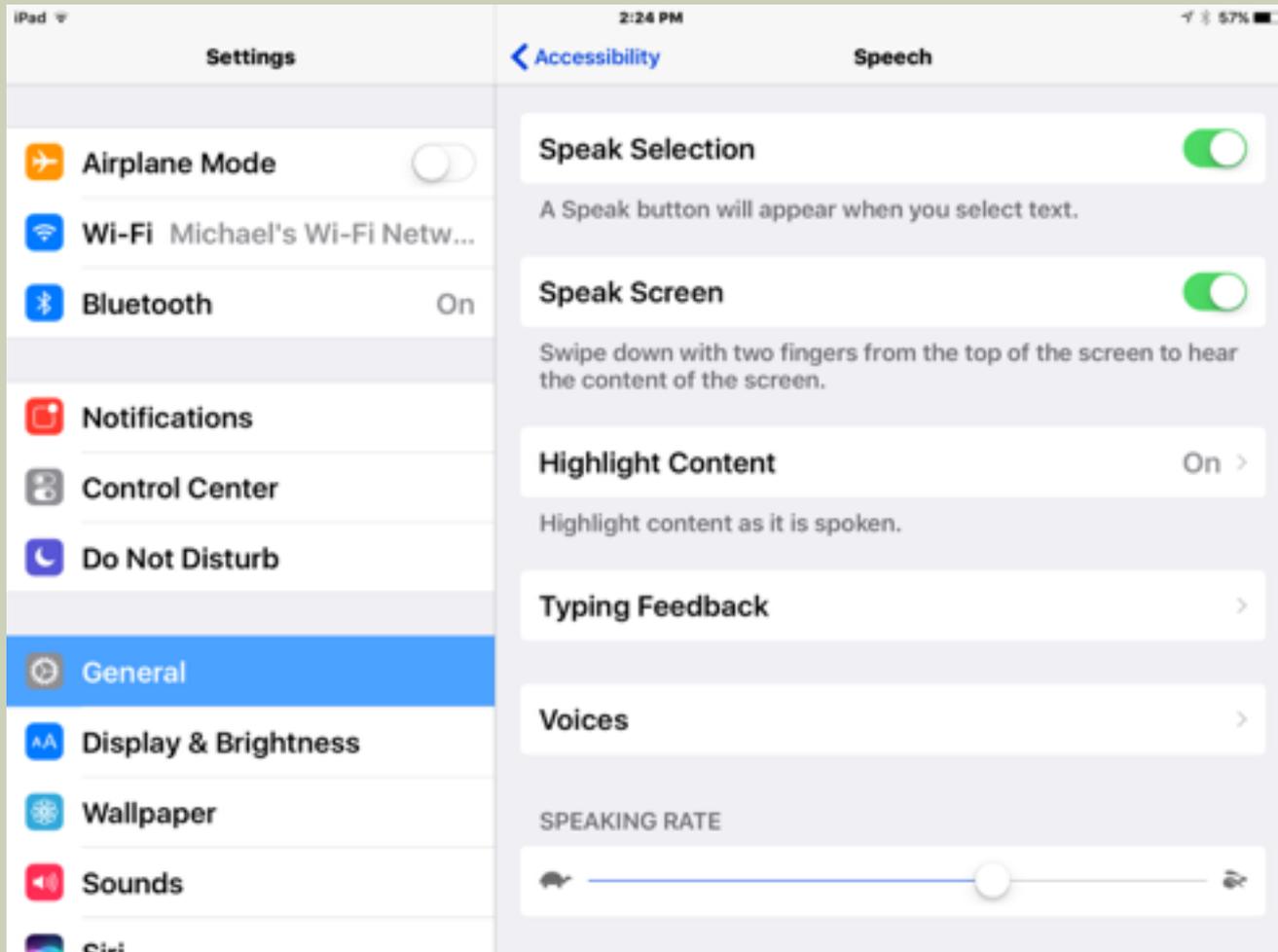
DISPLAY ACCOMMODATIONS

- **SETTINGS>GENERAL>ACCESSIBILITY**
- **Allows easy access to several display options:**
 - **Invert Colors**
 - **Color Filters**
 - **Grayscale**
 - **Red/Green Filter**
 - **Green/Red Filter**
 - **Blue/Yellow Filter**
 - **Color Tint: provides a color tint overlay over the entire screen (a simulation of Irlen Lenses for reading support).**
 - **Reduce White Point**

SPEECH

Settings>
General>
Accessibility>
Speech

SETTINGS > GENERAL > ACCESSIBILITY > SPEECH

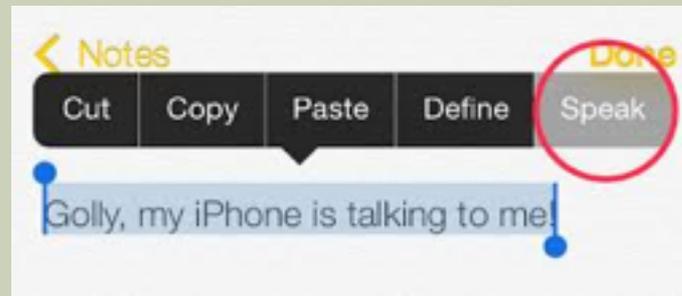
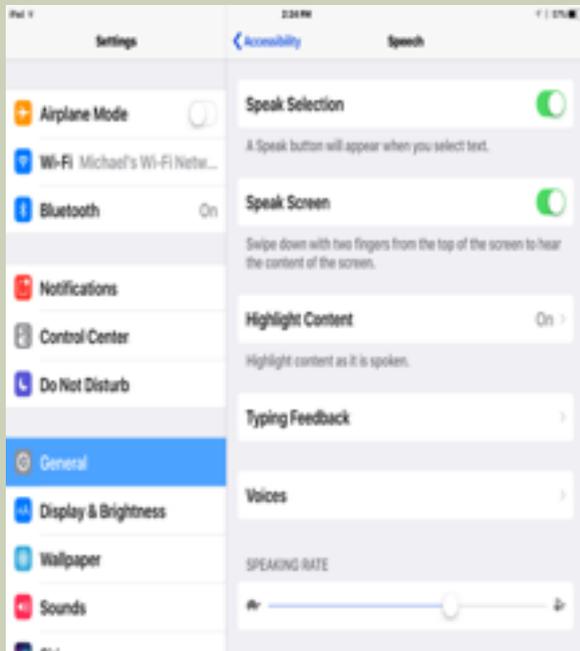


SPEAK SCREEN

- **Swipe down with 2 fingers from the top of the screen to hear the content of the screen**
- **Simple way for low-vision users to “read” the screen only**
- **Only gives users access to rewind, fast forward, play/pause, and speed (not intended to be a replacement for VoiceOver)**
- **Simple solution when a low-vision user would like to quickly read an entire screen**

SPEAK SELECTION

- Settings > General > Accessibility > Speak Selection
- When you highlight a section of text, menu bubble appears, tap “Speak”



SPEECH ENHANCEMENTS

- customization of highlighting, for example
 - word by word, sentence by sentence or both (underline or color highlight).
- Additional voices have been added also.



TYPING FEEDBACK

- Choose to hear the last character or word you type, or both.
- choose to hear the 'Quick Type' or 'Word Prediction' suggestions.



BOOKS

IBOOKS

■ iBooks

■ Pearson, McGraw Hill, Harcourt have partnered with Apple

- Go to iBooks app
- Tap “Featured” (bottom)
- Tap “Categories (top left)
- Tap Textbooks (can buy or download sample)
 - Many interactive features (graphs, videos, map descriptions, definitions)
 - Extended content for you to differentiate instruction
- Tap All Categories
 - Type “free books” or “free children’s books” in search box
 - Change font
 - Scrolling view
- Can download Reading A-Z books into iBooks

OTHER BOOKS

■ Bookshare

- App is called Read2Go (\$19.99)
- Need to have membership (students with print/reading disabilities)

■ Kindle

- App is free, but need to purchase books

■ Learning Ally

- Free app but need membership

■ VoiceDream (\$9.99)

- Allows for occlusion
- Can change spacing of lines/words

WORKSHEETS AND HANDOUTS

HOW TO HAVE A PDF READ ALOUD

■ ClaroPDF Pro (\$6.99)

- Annotate, mark up, listen to and save PDF files
- Have accessible text PDF files spoken back to you with quality voice & highlighting
- PDF image files or photos of text can be converted to accessible, searchable PDF files using the conversion service
- Include 50 credits which allows 50 pages to be converted. Additional credits must be purchased. 5,000 credits = \$3.99

■ Readiris (\$14.99)

- Import images from your photo library & clipboard, or PDF files from other apps
- All processing is done on your iPad – no WIFI or 3G connection needed

FROM A SCAN

1. **Voice Dream (\$9.99)**
 - Import from Dropbox, Google Drive, E-mail attachment (pdf or docx), bookshare or web page
 - Can be read to you
 - Can change appearance of text
 - Cannot write within the app
2. **Natural Reader**
 - Will read text to you
 - Can compose, but only in blank document
3. **Notability (\$2.99)**
 - Only works with PDF
 - Can write or type
 - Audio record but no speech to text
4. **Paperport Notes**
 - Only works with PDF
 - Import from e-mail, Google Drive and Dropbox
 - Have to have wifi
 - Can write, type, or voice in your input (speech to text)
 - 3 students can complete the same worksheet 3 different ways

FROM A PHOTO

1. Snap Type

- Interact with it in the app
- Export via e-mail as PDF, Image, or Snap Type document

2. Genius Scan

- Take a photo in Genius Scan
- Export it to Notability or Paperport Notes

3. Translate Photo

- If you want it read to student
- If you want to paste text somewhere else

SHARING DOCUMENTS & PRESENTATIONS

JOIN.ME

- Provides a way to share what is being presented on the interactive white board onto the iPad screen
- When “mouse control” is given from the computer, Join.me can be used in reverse. This allows a student in his seat to control what is displayed on the interactive white board using the iPad.

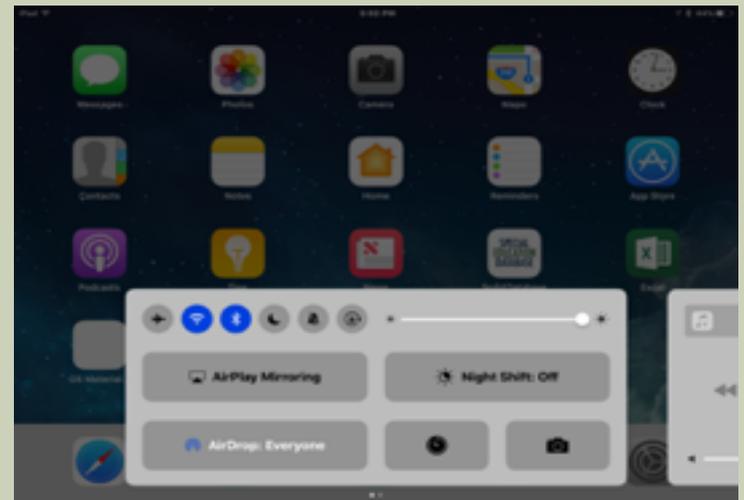
***see Join.me & Reverse Join.me Instructions handout**

AIRDROP

- To share content with AirDrop, both people need one of these devices using iOS 7 or later, or a Mac with OS X Yosemite:
 - iPhone 5 or later
 - iPad (4th generation or later)
 - iPad mini
 - iPod touch (5th generation)
- You also need to [turn on Wi-Fi and Bluetooth](#). If you want to share with your contacts, sign in to your iCloud account.

TURN ON AIRDROP

- Turn on AirDrop
- Use Control Center to turn AirDrop on or off and control whom you can share content with.
 1. Swipe up from the bottom of your screen to show Control Center.
 2. Tap AirDrop.
 3. Choose one of these options:
 1. Off: Turns off AirDrop.
 2. Contacts Only: Only your contacts can see your device.
 3. Everyone: All nearby iOS devices using AirDrop can see your device.



SHARE CONTENT IN AIRDROP

- You can share content from apps such as Photos, Safari, Contacts, and more.
 1. Tap the content you want to share.
 2. Tap Share or 
 3. Depending on the  app, you might be able to select other items you want to share.
 4. Tap the name of a nearby AirDrop user or the Apple device. If you're sharing Contacts Only and can't find a nearby user, check that both of you are signed in to an iCloud account. If you still can't find a nearby user, consider setting AirDrop to Everyone.
- The other user will receive an alert with a preview of the content you want to share, and can either accept or decline. If the other user accepts, they'll get the content in the app you sent it from. For example, photos will appear in the Photos app and websites will open in Safari.

VIDEOS

VIDEO DESCRIPTIONS

- **Settings > General > Accessibility > AUDIO DESCRIPTIONS (under Media heading)**
- **When available, automatically plays audio descriptions**

SUBTITLES & CAPTIONING

- **Toggle on Closed Captions + SDH**
 - This turns on closed captioning and subtitles when available

- **Style**
 - Large Text
 - Create New Style
 - Font
 - Size
 - Color
 - Background
 - Can save a particular style your create

WRITING HELP

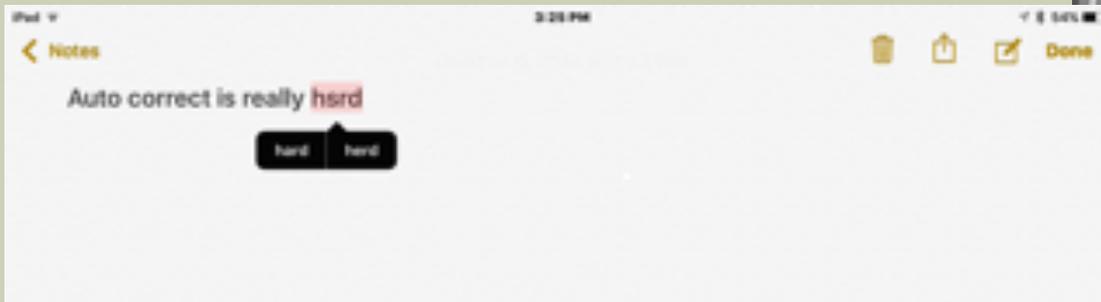
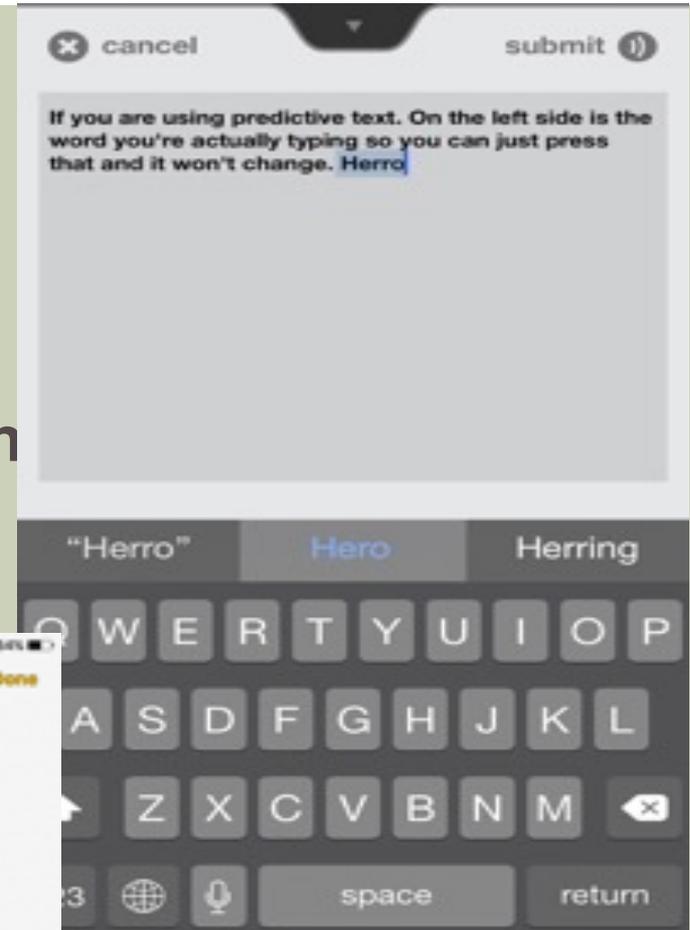
Settings >

General >

Keyboard

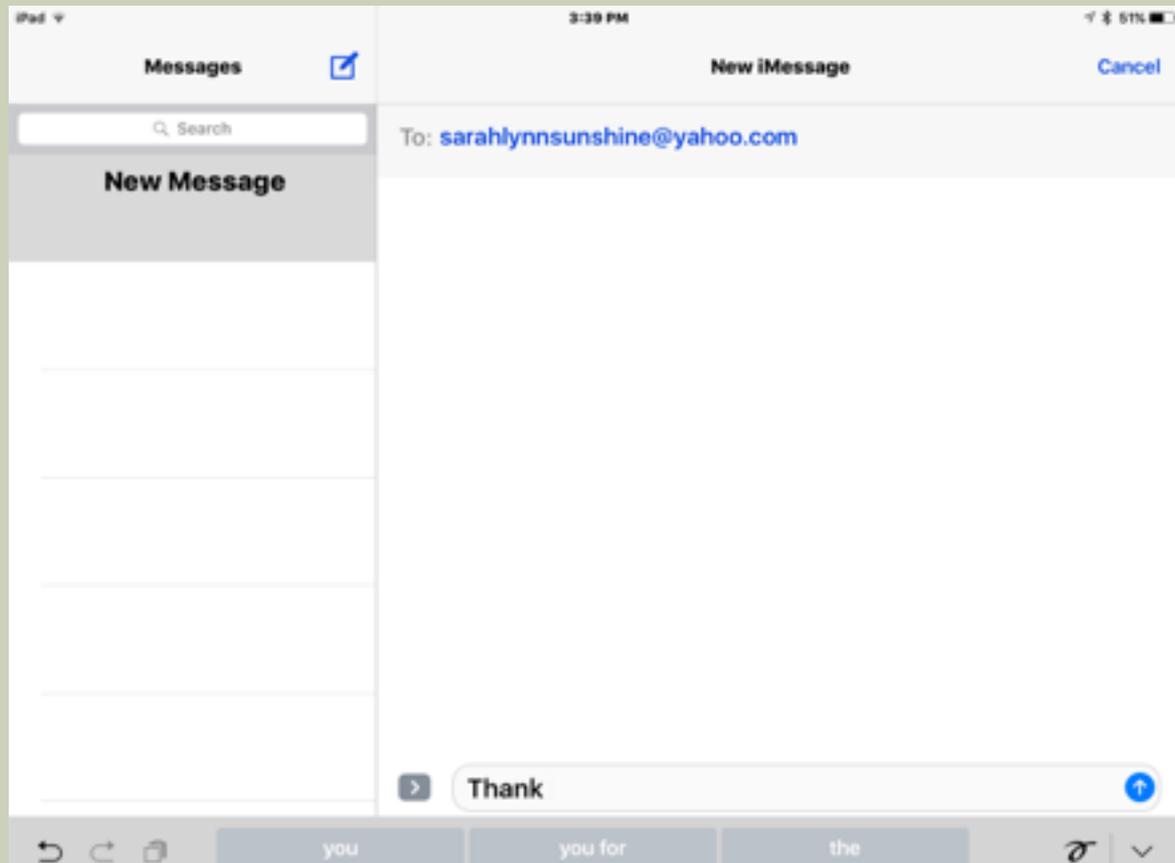
AUTO-CORRECTION

- Words show up in the suggestion bar
- If prediction is toggled off, word will be underlined in red. Tap on word for suggestion



PREDICTIVE TEXT

- Will analyze the text you've typed so far, and suggest words that it believes you're most likely to type next.



THE REST...

■ Check Spelling:

- Will underline misspelled words in red
- Will offer suggestions in suggestion bar
- If no suggestions, can tap on underlined word to get suggestions

■ Caps Lock

- Will allow you to create entire word in capital letters

■ Auto-Capitalization

- Highlight word & tap shift key
- Scroll bar now shows you capitalization options

DICTION

VOICE INPUT

- **Use for younger kids or students with physical limitations**
- **Any application that has an on-screen keyboard can be dictated into (when connected to wifi)**
 - Tap the microphone button next to the space bar
 - If you do not see a microphone, settings > Siri
- **Search Wiki and have it read aloud.**
 - “Search Wiki for German Shepherds”
 - Tap microphone button and say “read this to me”
- **Google chrome app**
 - Free app
 - Touch microphone in top right of address bar & speak search term
 - Will automatically read the first sentence of the Wikipedia definition.

USING A KEYBOARD TO EDIT DICTATION

- **Does your student need/like to dictate, but then can't edit? Try connecting a bluetooth keyboard**
 - Dictate in, then use arrow keys on keyboard to edit
 - Does not need to type the corrections, can continue to dictate
 - 1. Set up the rotor: general, accessibility, voiceover, rotor (include only characters, words, lines)
 - 2. Go to note you want to edit
 - 3. Turn on VO
 - 4. Hit up arrow and left arrow together until you hear the navigation option you want. Now the up & down arrow will navigate by the option you've chosen.
 - 5. To dictate back in, press the key on your keyboard to make the on-screen keyboard appear
 - 6. Edit in rotor: rotor to "edit", up arrow to "copy" or "cut", etc. Switch back to line now move cursor where you want to go. Once there, move rotor to "edit", up arrow to "paste".

MISCELLANEOUS

ACCESSIBILITY SHORTCUT

General > Accessibility > Accessibility Shortcut

- **Select the options you use regularly (Choose Guided Access – going to use a few slides from now!)**
- **You can now press the home button 3x quickly to toggle off/on**

Slow Down Triple Click

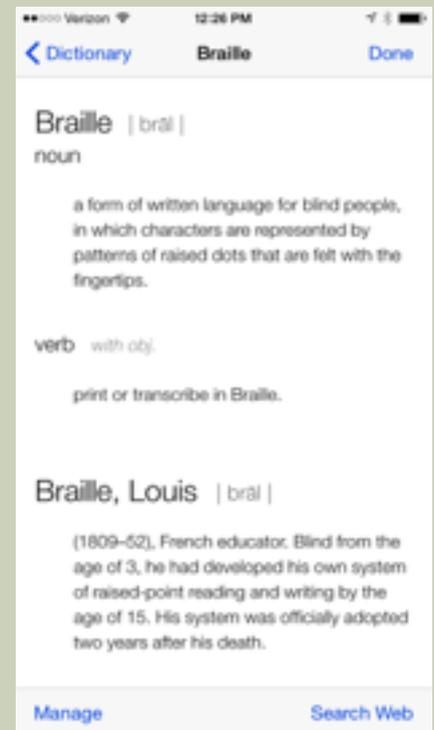
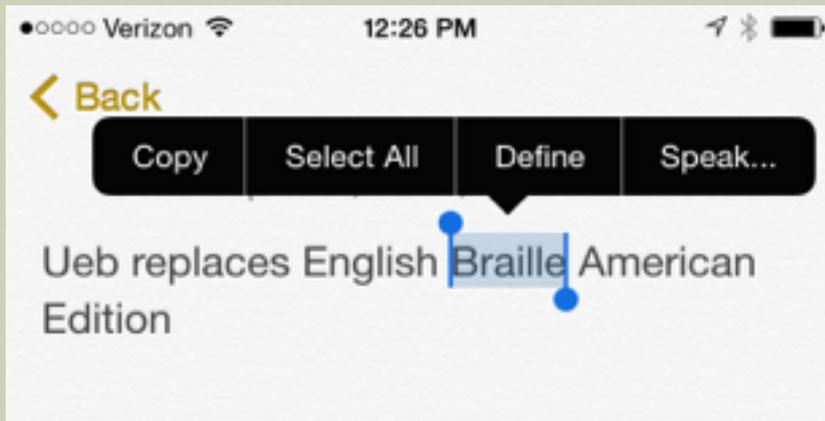
- **General > Accessibility > Home Button (under “Interaction” heading)**
 - **Choose between**
 - **Default**
 - **Slow**
 - **Slowest**

GUIDED ACCESS

- **Used to temporarily restrict your device to a particular app. You can disable areas of the screen that are not relevant to a task or where areas can cause a distraction, as well as the hardware buttons. Great for use with children or ad areas in Lite versions of apps.**
- **Setup**
- **Settings > General > Accessibility > Guided Access**
- **Turn Guided Access on or off**
- **Set a passcode that controls the use of Guided Access and prevents someone from leaving an active session**
- **Create an alarm to sound or speak before your time limit ends**
- **Set whether the accessibility shortcuts you have setup will be displayed when you triple click home during a session**
- ❖ **Practice using Guided Access Handout**

DEFINE A WORD

- Select it
- Tap “define” in the pop-up menu to see the word’s definitions and usage
- Can search web for word
- If definition doesn’t appear tap “Manage” in lower left corner of pop-up window and download dictionary



FOREIGN LANGUAGE KEYBOARDS

- **Touch Settings -> General -> Keyboard -> Keyboards**
- **Select Add New Keyboard**
- **Select the keyboard you wish to add**
- **When more than one keyboard is added, a globe symbol appears to the left of the space bar in the keyboard. Use this button to switch between International keyboards when typing.**
- **Many keyboards have additional hidden keys. To access these characters hold down a key on the keyboard and variations of that letter will appear. For example, holding down the letter E on the English (US) keyboard brings up 8 different options.**

ELL STUDENTS?

- **Use foreign language keyboard to answer questions in native language**
- **Use “read” feature to have read aloud in native language**
- **Use Google Translate**
 - **Create work for student**
 - **Translate student’s answers**

SOCK PUPPET APP

- Free version
- Bring virtual sock puppets to life by recording themselves reading aloud
 - Use with students who are unable to write
 - Create individual stories
 - Collaborate
 - Create social stories
 - Fun way for ELL students to hear their progress with pronunciation, speed, and accuracy

CREATE A CHECKLIST IN NOTES

- **Create a new note**
- **select the checklist button which is represented by an encircled checkmark (in the “action menu” above keyboard to the left)**
- **An empty circle should then appear in the blank note, and your first item can be entered thereafter.**
- **This circle is interactive, meaning that tapping it will enter a mark, or, in essence, a visual confirmation that the item has been selected or the task completed.**
- **Press the Aa button to change type of list (bullet, dash, numbered)**

PASSWORD PROTECT YOUR NOTES

- navigate to a specific note in the app
- tap on the share icon in the upper right hand corner
- In the bottom row of the share sheet, you will see the option to Lock Note. Tap that option and a pop-up will appear prompting you to enter a password
- After you go through this process, you can enable Touch ID if your device has the functionality.
- the body of a protected note will be hidden, the title of the note will still be visible in the app, so refrain from typing sensitive information in the title of a note.

TAKE A TOUR

- **Take your class on a virtual field trip!**
 - **Open the Maps app**
 - **Say you are teaching a lesson on Ancient Civilizations**
 - **Zoom into Rome**
 - **Tap on the 3D icon**
 - **Tap “tour”**
 - **Now your class has a bird’s eye view of landmarks like the Roman Forum, the Coliseum, etc in 3D**
- **More than 250 cities and destinations around the world**

**WHAT CAN YOU SAY
TO SIRI?**

HEY SIRI

- **Settings > Siri > Allow “Hey Siri”**
- **Can activate Siri by saying “hey Siri”**
- **Drains battery, so only works if you are plugged into a power source**

WAYS SIRI CAN HELP

- **Word definitions:** say "define conjunctivitis" to Siri.
- **Mathematical calculations and real world statistics:** You can ask Siri questions like "what is 18% of 934?" or "plot $4x + 12$ ". You can also ask things like , "what is 4.2kg in pounds?" or "what is the boiling point of lithium?"
- **Bring up an image or geometric shape:** You can ask Siri to show you images of an isosceles triangle, a circle, or even a velociraptor. Ask "what is an isosceles triangle" or "what does a velociraptor look like?" Siri will show you an image along with other pertinent information.
- **Translate individual words from English into any other language:** Siri can act as your virtual translator. Ask her "what is breakfast in French?", or "how do I say hello in Japanese?"
- **Learn about historical dates and events:** Ask Siri about dates in history such as "when was the battle of Hastings?", or "when did the Beatles break up?".
- **Ask Siri to remind you about something later:** anything, just say "Siri, remind me about this later" and you will be reminded at a later time.

WRITTEN CONTENT FOR STUDENT

- **Create content in Notes Application**
 - Tell Siri “read this to me”
- **Email**
 - “email Mike Stargardt”
- **Agenda**
 - Tell Siri to “add Math page 5” to my homework list”

VOICEOVER

VOICEOVER OVERVIEW

- **VoiceOver is the screen-reader that announces what appears on the screen. This allows a person who is blind and visually impaired the ability to access the iPad.**
- **When you select an element/item on the iPad, a black rectangle called the “VoiceOver Cursor” encircles it and VoiceOver speaks the name or describes the item.**

VOICEOVER BASICS

- Turn on “VoiceOver” by going to Settings > General > Accessibility > VoiceOver, toggle the “off” button to “on”
- Recommended settings when learning:
 - Speak Hints: On
 - Speaking Rate: 1/3 of the way
 - Have VoiceOver in your Accessibility Shortcut!
- VoiceOver speaks items on the screen
- Drag finger across screen to hear items (do this with icons)
- To select an item, touch it
- To activate the selected item, double-tap anywhere on the screen
- To scroll, flick 3 fingers (if there is more than 1 page)

MAKE THE VOICEOVER CURSOR LARGER

- **General**
- **Accessibility**
- **VoiceOver**
- **Toggle on “Large Cursor” (near the bottom)**

CHEAT SHEET

VoiceOver Cheat Sheet:



Tap with 1 finger: select item under your finger

Double tap with 1 finger: activates the selected item

Flick right with 1 finger: move to next item

Flick left with 1 finger: move to previous item

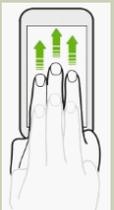


2 finger single tap: pause or continue speech

2 finger double tap: start and stop current action (ex: starts and stops playback of music & video)

2 finger flick up: read page starting at the top

2 finger flick down: read page starting at selected item



3 finger single tap: speak page number or rows being displayed

3 finger double tap: toggle speech on and off

3 finger flick right: scroll left one page

3 finger flick left: scroll right one page

3 finger flick up: scroll down one page

3 finger flick down: scroll up one page

TYPING WITH VOICEOVER

- Drag finger over keyboard
- When desired key is spoken, double tap anywhere on the screen to select

OR

- Drag your finger over the keyboard
- When your finger rests on the letter you want, tap the screen with another finger