IPADS FOR STUDENTS WITH VISUAL IMPAIRMENTS

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Sources for More Information

- Visually Impaired and Blind iPhone/IPad Users Facebook Page
- iPad Apps for Children with CVI Facebook Page
- AppsGoneFree app
- Apple VIs website
- My R10 Website, iPad Links Section
- iPad Academy website
- ViA: App that allows you to search for apps pre-approved by blind/VI users

How Our Academic Students Use IPads

- Listening to books
- Taking notes
- Email
- Calendar/Schedule
- Listening to music
- Internet searches
- Scanning documents
- Classwork and homework assignments
- Texting
- Address Book

How our MIVI Students use IPads:

- As a communication device
- Listening to music and stories
- Learning cause & effect
- Learning letter identification
- Learning color identification
- Practicing hand-eye coordination
- Writing
- Spelling
- Math
- Games

How VI teachers are using IPads:

- Assess print size
- Demo applications
- Keep notes
- Calendar/Schedule
- Email
- Internet searches
- Word processing & spreadsheets
- Store manuals & reference materials
- Keep organized
- Take notes during FVE's
- Presentations

Before we begin…

- Making folders
- Downloading new items
  - viregion10@gmail.com/Region10
- Native applications
- Screen Shots
- Navigating
  - Double Click Home-recent apps
  - Pinch return to home screen
  - 4 fingers right/left to switch apps
- Changing Settings & Accessibility Features
  - Wifi
  - Bluetooth
- Gestures
  - Custom Made
  - Zoom

Voiceover

- Triple-Click Home setting
- Sliding and tapping
- Icon & Folder arrangement
- Rotor-3 finger pinch and twist
- VO Starter App: teaches use of VoiceOver
- Siri on keyboard for iPad 3 & up

Digital Audio Media
Practical Apps
Magnification Apps
Reading & Writing
Math/Science
Accessories

APPS FOR ACADEMIC STUDENTS

Digital Audio Media

- iBooks (try it!)
  - Reads any PDF using Voiceover
  - Many titles available for free in iBooks store
  - Project Gutenberg-download in EPub format
- Bookshare
  - Read to Go App $20
  - Voice Dream Reader $10 (try it!)
- Learning Ally
  - Learning Ally Audio $Free (try it!)

Read 2 Go

- http://www.youtube.com/watch?v=kcQOmPDjw9g

Digital Audio Media

- Kindle ☺
  - Hallelujah! Kindle will now work with VoiceOver!
  - App does not allow for pinching to zoom, but allows you to increase font size, contrast, brightness, & font
  - Titles are purchased from Amazon.com's Kindle Store
- Kurzweil Firefly
  - Free if your district already has Kurzweil 3000
  - Reads text aloud, correlates to Kurzweil 3000 features
- BARD Mobile—Brand New! NLS access
- Quizlet-auditory flashcards (free account online syncs with free app)
- Audible
  - Amazon subscription service with free app

Practical Apps

- Alarmed $free
- Ariadne GPS $5.99
- Color ID Free, Color Test $free (try!)
- Digit-Eyes (barcodes) $19.99
- Light Detector $.99
- NowWhat? .99
- Awareness Headphone $6.99
- SayText $free (try it!)
- Dolphin Browser alternative web browser, easier to use visually $free (try it!)

Ariadne GPS

- http://www.youtube.com/watch?v=lQr9vsHxU6E

Practical Apps

- LookTel Money Reader $9.99
- oMoby- searches internet with camera picture $free
- TapTapSee- 'B/VI Camera' $free (try it!)
- Sendero GPS LookAround $4.99
- TextDetective-scans text and V/O reads $9.99
- VizWiz-take a picture, record question, receive answer $free (try it!)
- VM Alert-motion detector $1.99
- VoCal-allows you to set voice reminders
- iBlinkRadio-blind/vi specific radio, podcasts, etc (try it!)
- Chesswise-works with VoiceOver! (try it!)

Sendero LookAround GPS

- http://www.youtube.com/watch?v=07V_JkleS1w

LookTel Money Reader

- http://www.youtube.com/watch?v=_HMVXEZNeNM

Text Detective

- http://www.youtube.com/watch?v=MsqgcN8NkOQ

Magnification Apps

- Easy Reader with LED $.99
- EyeSight by SightTech-developed specifically for Low Vision, designed to replace handheld magnifiers $29.99
- iCanSee $free/.99
- Magnifier $free/.99 (try it!)
- Claro Magx (try it!)
- Magnifiying Glass with Light $free/.99
- Vision Assist-designed for Low Vision, to use as a handheld magnifier $5.99 *does not play nice with VoiceOver*
- ZoomReader, from the makers of ZoomText $19.99

ZoomReader

- http://www.youtube.com/watch?v=5GcOXfNnovY

EyeSight by SightTech

- http://www.youtube.com/watch?v=uoT7fHXlYJY

Writing & Note Taking

- iA Writer-text editor, works well with Voiceover $.99
- Brevity-word prediction $.99
- EverNote $free
- BrailleTouch-iphone app that allows Braille typing
- Fleksy-typing designed for VI $free/4.99 (try it!)
- Nebulous Notes-Text editor, syncs with Dropbox, Evernote $free/4.99
- Penultimate-easy for beginner, use finger or stylus, syncs with Dropbox and Evernote $.99
- Notability-keyboard or stylus, many variations/settings $1.99
- AudioNote-control font size, text to speech, text highlighted while read (like a livescribe pen) $free/4.99
- Verbally $free (try it!)
- Skitch $free (download & try it!)

Penultimate & Evernote

- http://www.youtube.com/watch?v=ItRaJBmdOLo

Word Prediction

- iReadWrite from TextHelp $19.99
  - https://www.youtube.com/watch?v=cSloe7_-EtE
- Clicker Docs-enlarge font to 70, text to speech
  - http://www.youtube.com/watch?feature=player_embedded&v=KmTU1FPHtBI
- Zen Tap Pro $2.99
  - Great at prediction, adapts to student's style
  - Many settings, can go up to 48 pt font
  - Doesn't have text to speech
- AppWriter US $19.99
  - Has text to speech
  - Font for choices can't be enlarged
  - OCR…but fairly limited in performance
- Typ-O-HD $14.99 (free lite version)
  - Has text to speech
  - Choices font can't be enlarged
  - Great reviews

Dictation & Text to Speech

- Voice Memos $.99
- Voice Brief-reads email $free/3.99
- Voice Assistant-dictation $1.99
- Vocalyze-works well with V/O to read internet $7.99
- Speaktext-speaks aloud webpages, documents $free/9.99
- Clarospeak-text to speech $5.99
- Dragon Dictation, same company as Dragon Naturally Speaking $free (try it!)
- HeyTell-messaging app $free
- List Recorder-record and organize lists, works well with V/O and braille display $.99/7.99

Organization/Idea Mapping

- Corkulous-idea organization $free/4.99
- Mindomo-mind mapping $free
- Splashtop Whiteboard-allows projection screen to be interactive whiteboard on iPad $19.99
- Doceri $free
  - Allows student to watch interactive whiteboard on iPad at desk

Splashtop Workboard

- http://www.youtube.com/watch?v=TKNJwAL8cG8

Math/Science

- Calc Pro HD $7.99
- QuickGraph $free
- Talking Scientific Calculator $4.99
  - Can be used exclusively with V/O
  - Can be used with refreshable braille displays
  - Can record your own voice for the buttons
  - Large, clear buttons with high contrast mode

Options & Accessories

- Refreshable braille:
  - Focus 40/14 Blue
  - APH Refreshabraille 18
  - Brailliant
  - HIMS Edge 40
  - & More!

  - http://www.youtube.com/watch?v=h21a264VsXE
  - http://www.youtube.com/watch?v=ZIXE0JaIyIs

- Variety of bluetooth keyboards

How to Pair Accessories via Bluetooth

- Bluetooth
  - Settings→Bluetooth
  - Make sure it is toggled on (green)
  - Make sure your accessory/device is active (usually a sliding button/blinking blue light)
  - Under devices, click to pair chosen accessories
    - If asked for a code, try 0000!

- Braille Devices
  - The first time, it may not show under Bluetooth…
  - Settings→General→Accessibility→VoiceOver→Braille→Choose a Braille Device→Click Pair when you see yours listed
    - Code is 0000 for Freedom Scientific Focus 14/40, HIMS Braille Edge
    - Code is 1234 for APH Refreshabraille 18
  - While you are here, take a look at all these other options without freaking out…
    - For example, the Refreshabraille 18 uses UEB, but you can change it under translation…

How to USE your Braille Accessories

- See Handouts:
  - General iOs commands
  - Device-specific commands
  - Experiment with all those settings under Settings/General/Accessibility/VoiceOver/Braille ☺
- *REMEMBER:* Not all apps play nice with VoiceOver & Braille Devices

CUTENESS BREAK: BABIES WITH IPADS

CVI Apps
Early Reading
Sensory Apps
Communication Apps
Accessories

APPS FOR LITTLE ONES & MIVI STUDENTS

CVI Apps

- LED Lightbox $1.99
  - Turns ipad into a lightbox
- TapnSee Zoo $2.99
  - Designed specifically for CVI
  - Can change color, sound, background, size
- Heat Pad Lite $2.99
  - Cause and effect—images are created when hands touch screen
- Fireworks $Free
- Fluidity $Free (try it!)
  - Similar to "swirly mats"
- Cause and Effect Sensory Light Box $.99
  - 21 different choices

CVI Apps

- Glow coloring $.99
- Laser Light Show $free
- Peekaboo Lady Bird Touch $2.99
- Peekaboo barn $1.99
  - Great colors for CVI
- Catch the Cow $1.99
- Jitterbug
- Cat in the Hat lite $free
- Another Monster at the End of the Book
- Cosmic Top $1.99
- GlowTunes $.99

Early Reading Apps

- Dr. Seuss's Hop on Pop $3.99
- Dr. Seuss's Cat in the Hat lite
- Mercer Mayer Little Critter Books $.99-1.99
- Word Wizard $2.99
  - Can change size of letters
  - Moveable alphabet, hear sounds, make words

Fun, Sensory Apps

- Bloom HD: music and bubbles $3.99
- Bubbles: Visual stimulation, tracking $.99
- Cause & Effect Sensory Sound Box $1.99
- Flow Free Bridges $.99
- Hatch $.99
- iLoveFireworks $free/.99 (try it!)
- Kids Steering Wheels $free

Fun, Sensory Apps

- KneeBouncers $1.99
- Monkey Preschool Lunchbox $.99
- Phone for Kids $free
- Shapeshifter HD $.99
- Shelby's Quest $4.99
- SoundShaker $1.99
- Sparkabilities $4.99
- Sparkle Paint $free
- Toca Kitchen Monsters $free
- Tappy Tunes $free/$1.99
- Thumb Jam $8.99

A few more... then check the spreadsheet!

- I Hear Ewe-animal sounds $free (try it!)
- Wheels on the Bus HD $2.99
- Glow Draw $free (try it!)
- Bubble Snap $free (try it!)
- Somantics (try it!)
- Soundrop (try it!)
- Music Sparkles (try it!)
- Baby Finger (try it!)

Communication Apps: Switch-Enabled

- SoundingBoard (free) (download & try it!)
  - Built-in or customized boards
  - Can use your own photos, record your own voice
  - Great for CVI, because you can tailor your pictures to their needs (black background, red/yellow, etc)
- Go Talk Now ($79.99)
  - Can change font size
  - Import video, songs to go with buttons
  - Go Talk Now Pre (free preview)
- Tap Speak Sequence Plus ($49.99)
  - Includes Meyer/Johnson symbols
  - Can record phrases
- Scene & Heard ($49.99)
  - Good for VI+Autism
  - Categories of scenes
  - Allows for recording voice to pair with images
- Predictable ($159.99)
  - Text to speech
  - World prediction
  - Switch Accessible

Communication Apps:
NOT Switch-Enabled

- Proloquo2Go ($189.99)
  - Change font size
- Touch Chat HD ($299.99)
  - Change font size, background colors
  - Very user-friendly
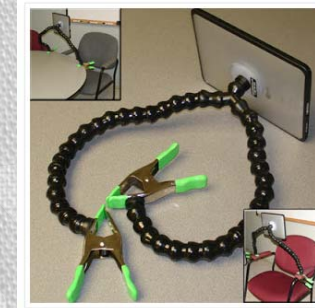
Communication Apps

Auditory Scanning

- Alexicom AAC
- Predictable

Large Print

- iPhonic Light
- Answers Yes/No
- Locabulary Lite
- NeoJulie
- NeoPaul
- NeoKate
- Phrase Board
- Read It
- SpellNSay Lite
- Talk Assist
- Talking Text
- Voice Generator

Accessories

- iAdapter from Ablenet—turns IPad into a
- communication device

- Loc-Line Mounting Device-good for CVI,
- field loss, physical disabilities

- Soundpod (FRC Custom Solutions) communication
- device, comes with lanyard/shoulder strap

- Bluetooth Microphone-Ablenet mini microphone $9.99

Accessories

- Key guards from laseredpics.com $19.99
- Key guards from Logan Technologies
- Blue tooth switches
  - Blue2Bluetooth switch, Ablenet
  - The Applicator, www.inclusive.com
  - iPad Cordless Switch Interface, enabling devices
  - Bluetooth Cordless Super Switch (RJ Cooper)
  - Switch Interface (RJ Cooper)
- Attainment App $4.99—use iPad as a switch with some applications (download app, then software on pc or mac)

Not all switches work with all apps...

- www.spectronicsinoz.com/article/iphoneipad-apps-for-aac
- www.janefarrall.com/html/resources/switch%20accessible%20apps%20for
  - Lists switch accessible apps

APPS FOR TEACHERS

Creating Content for your Students

- Book Creator $4.99
  - Allows you to make books by importing sound, pictures, etc
  - Can create 'hot spots'—places with sound, in the pages
  - Put 2 game controllers (from amazon, $9 each)—suction cups on top of arrows on left and right to left to read pages back and forth
  - Bump-ons from laser pics—to remind to hear sounds

- http://vimeo.com/bookcreator/bookcreator

Creating Content

- OverLay-use with PIAF to create interactive overlays $8.99

- Educreations $free (try it!)

- Little Story Maker $free (try it!)

- Creative Book Builder $3.99

- Pictello $18.99

  http://www.assistiveware.com/introduction-pictello

Microsoft Word "Emulators"

- Cloud On $free
  - View and edit documents, spreadsheets, sync to Dropbox
- OnLive Desktop $free (try it!)
  - Cloud based use of Microsoft Office—works great as long as you have wifi
- Quick Office Pro $19.99
  - Full use of Microsoft Office, including attachments

Note-Taking & Text-Editing

- Adobe Reader $free

- I Annotate PDF $9.99

- MyScript Memo $free

- PaperPort Notes $free (try it!)

- Penultimate $.99

- Plaintext $free/1.99

- WritePad $9.99

- SpringPad $free (my favorite!!)

WritePad

- http://www.youtube.com/watch?v=u-LO-Bs9rF8

Scanning and Optical Character Recognition

- JotNot Scanner Pro free/$.99
- TurboScan $1.99
- TextGrabber +Translator (by Abbyy) $4.99

General Productivity

- Dropbox $free
- Google Translate $free
- Keynote $9.99
- Pages $9.99
- Numbers $9.99
- PaperPort Anywhere $free
- Side by Side $free (try it!)
- Super Duper Data Tracker $1.99
- Remember the Milk $free

Styluses

- ValuePen
  - $16 from Amazon—better stylus
- Cosmonaut
  - $ better stylus

Best iPad use of all: Teacher Stress Relief!

- TheShredder
- iCounselor Apps
  - Anxiety
  - Anger

YOUR TURN!

- Practice in Groups:
  - Rearranging apps & folders
  - Settings & Accessibility
  - VoiceOver
    - Set triple-click-home
    - Practice gestures
    - Try it with different apps
  - Experiment with Zoom gestures
  - Explore the apps in the VI Workshop folder
  - Review these resources:
    - Visually Impaired and Blind iPad Users Facebook page
    - iPad Apps for Children with CVI
    - AppleVis Website
    - iPad Academy Website
  - APH Refreshabraille-one turn per table