

# **ACHIEVING GREATER INDEPENDENCE THROUGH ASSISTIVE TECHNOLOGY**

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**Advancing Opportunities**



# ADVANCING OPPORTUNITIES

AT Evaluations and trainings

School Districts, DDD, DCF, DVR, CBVI,  
Traumatic Brain Injury Fund

All disabilities

Mobile Services



# TECHNOLOGY LENDING CENTER

Try it before you buy it!

Wide variety of devices

Loans for Up To Six Weeks

Free Shipping

Knowledgeable Staff

609 882 4182 ext 536 – Eden



# AGENDA FOR SESSION

1. Assistive Technology Overview – Process for Evaluations
2. AT Tools:
  - Mobile/ Wearable
  - Computer Access
  - Reading and writing
  - Procedural Task
  - Attention/ Focus
  - Memory
  - Hearing
  - Vision/ Blindness
  - AAC
3. Wrap Up/ Questions

# WHAT IS ASSISTIVE TECHNOLOGY?

Definition:



“Any item, piece of equipment, or product system, whether acquired commercially, modified, or customized, that is used to increase, maintain, or improve the functional capabilities of [persons] with disabilities.”  
(section 300.5)”



# WHAT IS ASSISTIVE TECHNOLOGY?

Low Tech

AT  
Tools

Medium Tech

High Tech



Assistive  
Technology

Evaluation

AT  
Services

Collaboration

Training



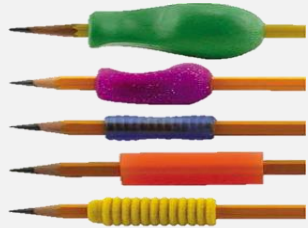
*Advancing Opportunities*

# TOOLS: AT CONTINUUM

LOW TECH

MID TECH

HIGH TECH



# EVALUATION: THE SETT FRAMEWORK





# WHEN CHOOSING THE TOOLS

<b>CONSIDER</b>	<b>AVOID</b>
Ease of use	Feeling overwhelmed or confused with tool.
Availability of support system	Maxing out support system
Can tool grow with person?	Abandonment of AT

# TYPES OF ASSISTIVE TECHNOLOGY

# MOBILE AND WEARABLE TECHNOLOGY

Smartphones/tablets (including iPad Touch)

Apps and built-in tools

Fitness trackers

Smartwatches (Apple Watch; Gear S3)

Portable/wearable alerting devices, recorders, etc.



# ADVANTAGES OF MOBILE/WEARABLE AT TOOLS

Mainstream technology

Doesn't make person look or feel different

People often already have these tools

Often less expensive and more capabilities than previous stand alone AT tools

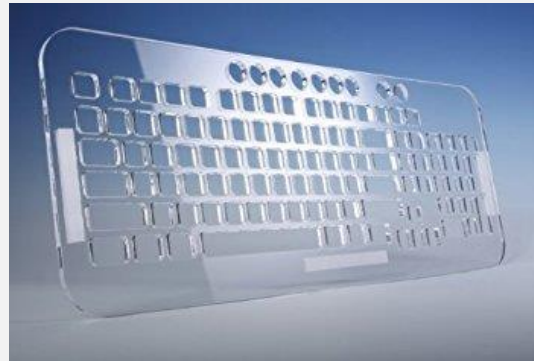
All of this often EQUALS less technology abandonment and easier access to tools.



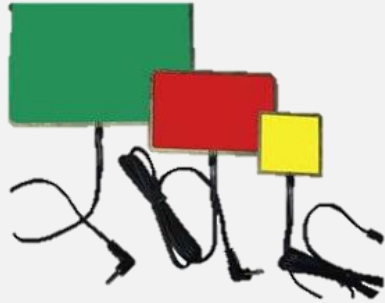
# MOUSE ALTERNATIVES



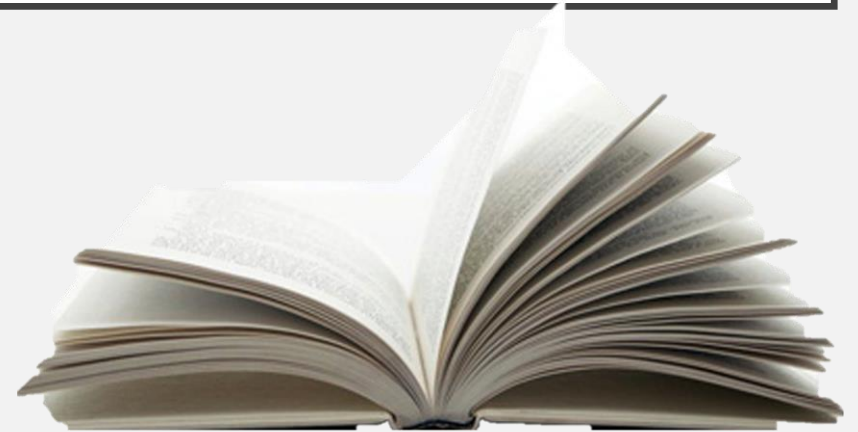
# KEYBOARD ALTERNATIVES



# SWITCH ACCESS



# READING AND WRITING

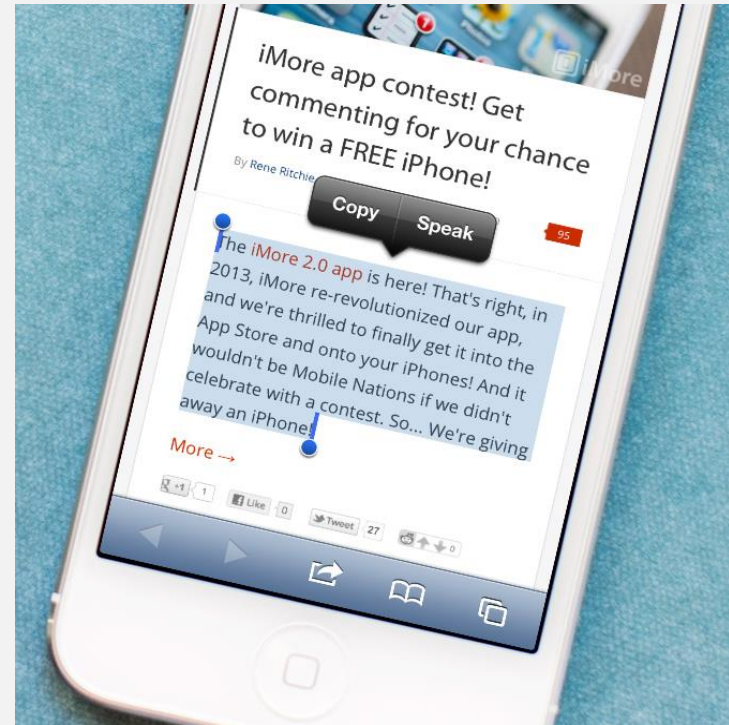
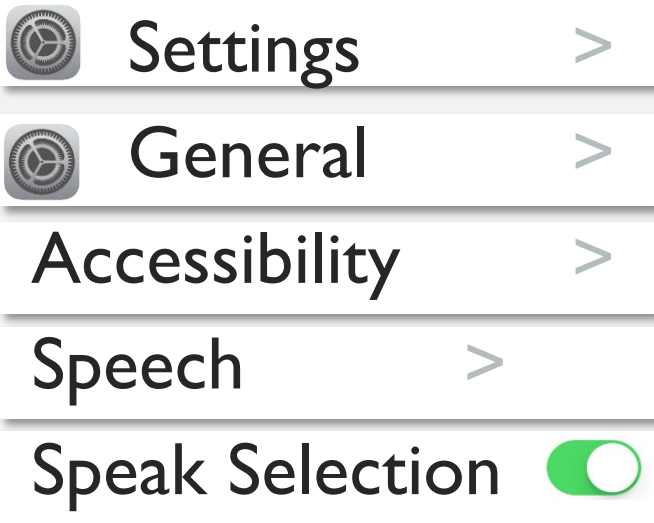






# TEACH YOUR PHONE TO SPEAK

## iOS



## Android

- Settings > Accessibility > Select to Speak
- If not there, go to Google Play and download latest version of Android Accessibility Suite

# DICTIONATION

Smartphones

Tablets

Smartwatches



# SCAN AND READ APPS

**Apps that allow user to take picture of text and have them read aloud.**

- ClaroScanPen (iOS-\$9.99 and Android-free):  
[www.claro-apps.com/claro-scanpen/](http://www.claro-apps.com/claro-scanpen/)
- Prizmo Go (iOS-free):  
<https://creaceed.com/iprizmo>

**Apps that do “more” than read**

- Seeing AI (iOS-free):  
[www.microsoft.com/en-us/seeing-ai/](http://www.microsoft.com/en-us/seeing-ai/)
- Be My Eyes (iOS- free):

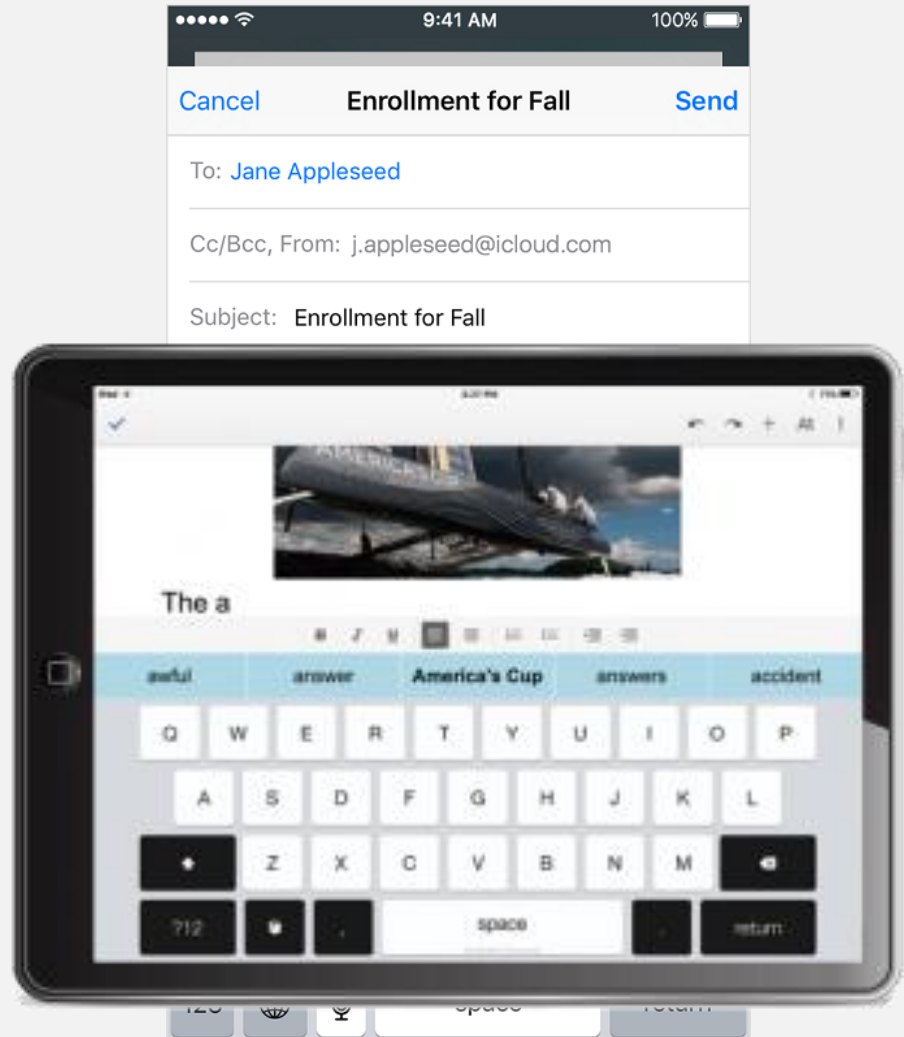


# SPELLING SUPPORT

Predictive text on iOS and Android devices

Co:Writer Universal app and keyboard for additional support

- iOS
- Free app initially, \$4.99/month subscription
- <https://bit.ly/2JO0yrC>



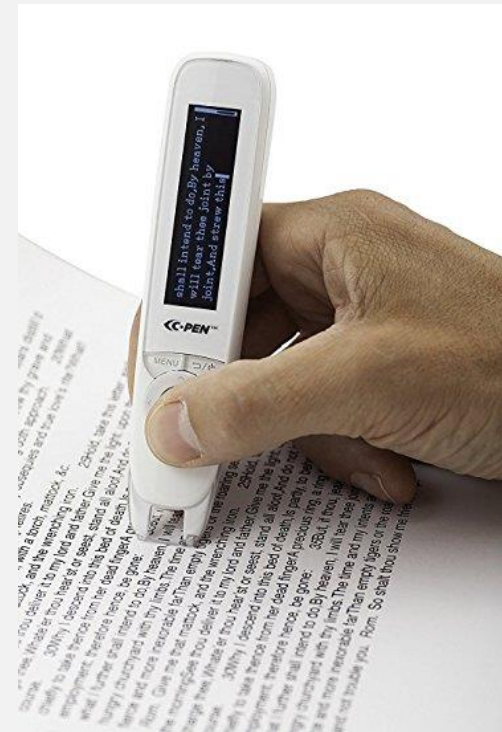
# C-PEN READER

Portable, pocket-sized device that reads text out aloud with an English human-like digital voice.

<http://www.readerpen.com/>

Free 30 day trial from company

\$250



# VIDEO SUPPORT FOR MULTI-STEP TASKS

**Video Modeling:** review video examples before performing a job task

**Continuous Video Modeling:** Video is played while person follows along.

**Video Prompting:** Watch short video segments of steps of a task (watch a step, do a step), etc.

**Video Feedback:** Video employee as they perform task and have them watch to review



# MULTI-STEP TASKS

## FTVS HD (First Then Visual Schedule HD) app

- Picture support
- Audio support
- Video support

[www.goodkarmaapplications.com](http://www.goodkarmaapplications.com)

iOS \$14.99





# IOS ACCESSIBILITY TOOLS

FREE!

- **Invert Colors**
- **Large Text**
- **Zoom**
- **Shake to undo**
- **Siri Shortcuts**
- **Subtitles & Captioning**
- **Accessibility Shortcut**
- **Safari Reader**
- **Guided Access and Screen Time**
- **Predictive Text**
- **Voice Over**



# FOCUS AND ATTENTION TO TASK

# REVIBE ANTI-DISTRACTION WRISTWEAR

Reminder vibration wristband

4 modes that have varying levels of reminder frequencies

Feel vibration → Ask self—“Am I doing what I should be doing?”

No screen--distraction free design

\$100 and 90 day return policy

<https://shop.fokuslabs.com/>



# WATCHMINDER

Watch that discretely vibrates to cue user

Displays reminder messages with text

Use for medications, daily tasks, etc.

[www.watchminder.com](http://www.watchminder.com)

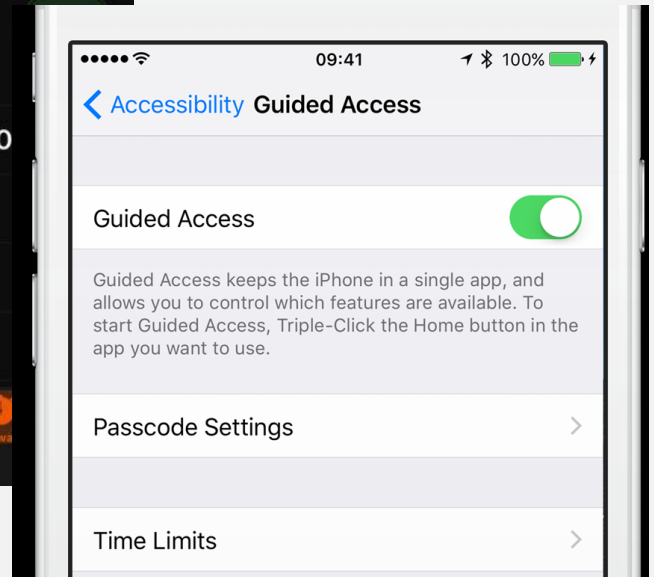
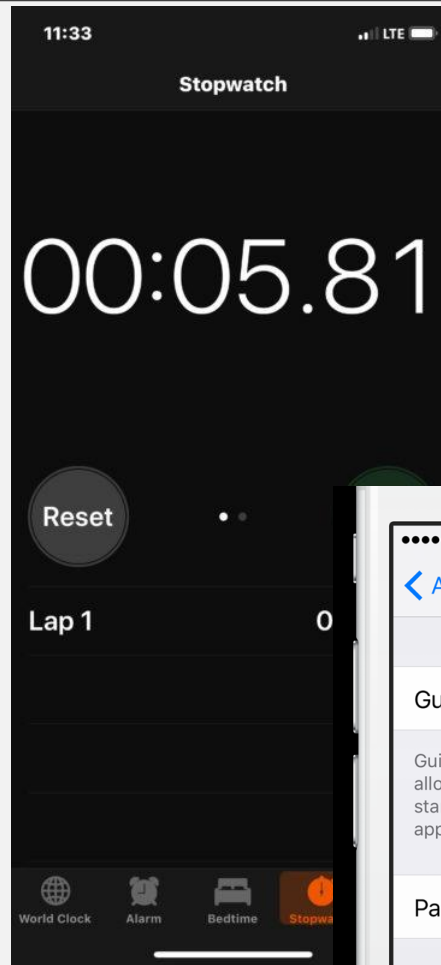
\$69



# BUILT-IN IOS TOOLS

Timer

Stopwatch



# TIME TIMER

Time Timer App:

[www.timetimer.com](http://www.timetimer.com)

- iPhone and Android \$2.99
- iPad \$4.99

Apple Watch app

Time Timer watch

Physical Time Timers



# POMODORO TECHNIQUE

Pomodoro technique:

<https://www.focusboosterapp.com/the-pomodoro-technique>

Use any timer



## ONE POMODORO CYCLE



■ WORK

■ BREAK

# SOUND RECORDER OPTIONS



- Built in Voice Memos app on iPhone
- Digital Recorder
- Just Press Record app
- iPhone, iPad, Apple Watch
- \$4.99



# SMARTWATCHES

- Vibrate and display calendar notifications
- Can change haptics, alert sounds
- Determine what notifications you want to come to your watch
- \$399+





# MEDICATION REMINDER APP-- MEDISAFE

<https://medisafe.com/>

Free--iOS and Android

Apple Watch and Android Wear smartwatch  
components



# VOICE ASSISTANTS: AMAZON ECHO, GOOGLE HOME, SIRI, GOOGLE ASSISTANT

- Calendar access and notifications
- Timers
- Alarms
- Reminders
- Stress Management
- Spelling help
- To do list



# SIRI...HEY GOOGLE...

Time or location based reminders

“Set an alarm for...”

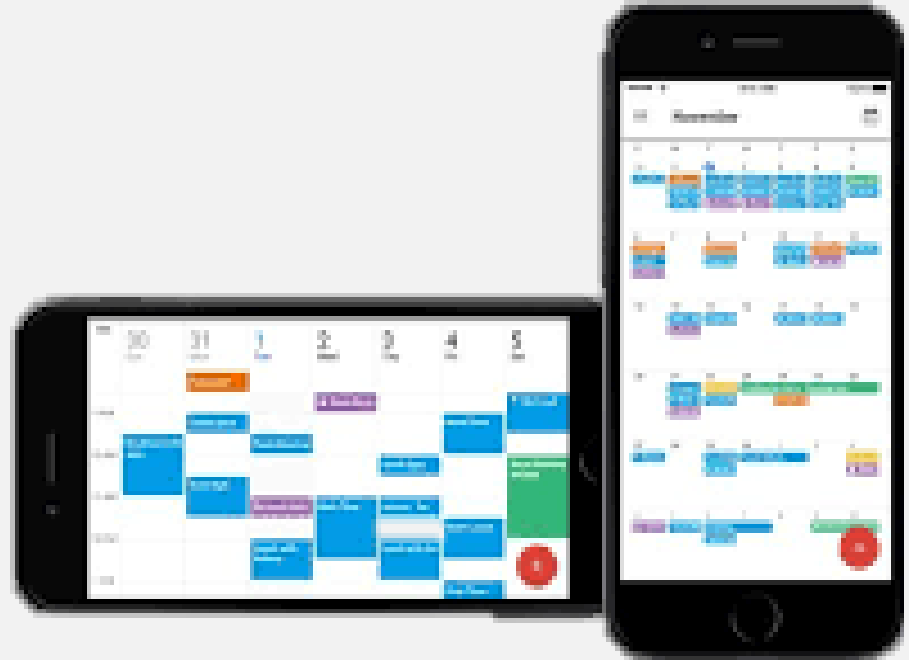
"Remind me to call Bob at 9pm.“

"Remind me to clock in when I get to work."



# CALENDAR

- Paper calendars
- Calendar built into device
- Google Calendar



Use calendar to map out day and improve time management.

# AUGMENTATIVE COMMUNICATION

- Low-tech paper-based system
- iPads, iPhones, iPod Touches
- Stand alone devices



## Low Tech Devices



# AAC CONSIDERATIONS

- Communication skills are critical
- Provide access to AAC as early as possible
- Build in opportunities to communicate
- Communication in job environment:
  - “Let me find someone to help you.”
  - “My ride isn’t here. Can you help me?”
  - “I need help.”
  - “I need more \_\_\_\_.”

# SINGLE MESSAGE COMMUNICATORS

Single Message Communicators around workplace

- For communication
- For direction reminders

Ablenetinc.com—Talking Brix, BIGmack, LITTLEmack

Attainment Company: GoTalk One; GoTalk Button



# FACETIME/SKYPE/PHONE CALL

Ability to provide support remotely using technology many of us already have access to.

May be helpful when fading out in-person supports or when concerns arise





# Funding?



# THANK YOU

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Advancing Opportunities

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