

# Yes I Can.....!!!!



# Yes I Can!!!

- ◆ Learn to use technology to....
- ◆ Promote self determination in independent living
- ◆ Support employment
- ◆ Assist with memory and scheduling
- ◆ Enhance socialization

# How Do I Begin?.

- ❖ Have a belief in the rights of those with cognitive disabilities to access technology and the Internet!
- ❖ Educate yourselves on what is available, and what can be accomplished with the right tools/tech!
- ❖ Have great expectations !

# Our Story

- ❖ “I want to live in my own house”



# The iPad!!!

- Started with iPod touch in 2011 as support for Jim
- With iPad and apps to duplicate old software in 2012
- \$451.00!!!!!!
- "MY STORY"



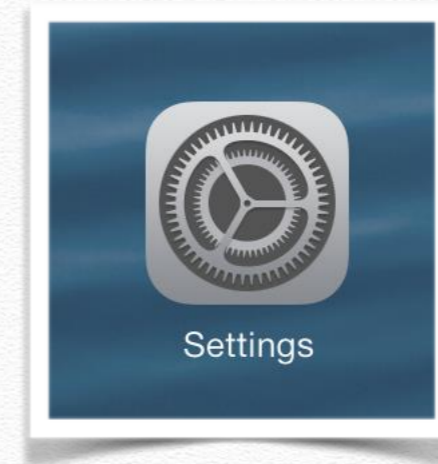
# Ready?..where to begin

- ❖ You can't hurt these devices!
- ❖ When in doubt...go home!
- ❖ Make settings your friend
- ❖ Accessibility



# Accessibility!!!

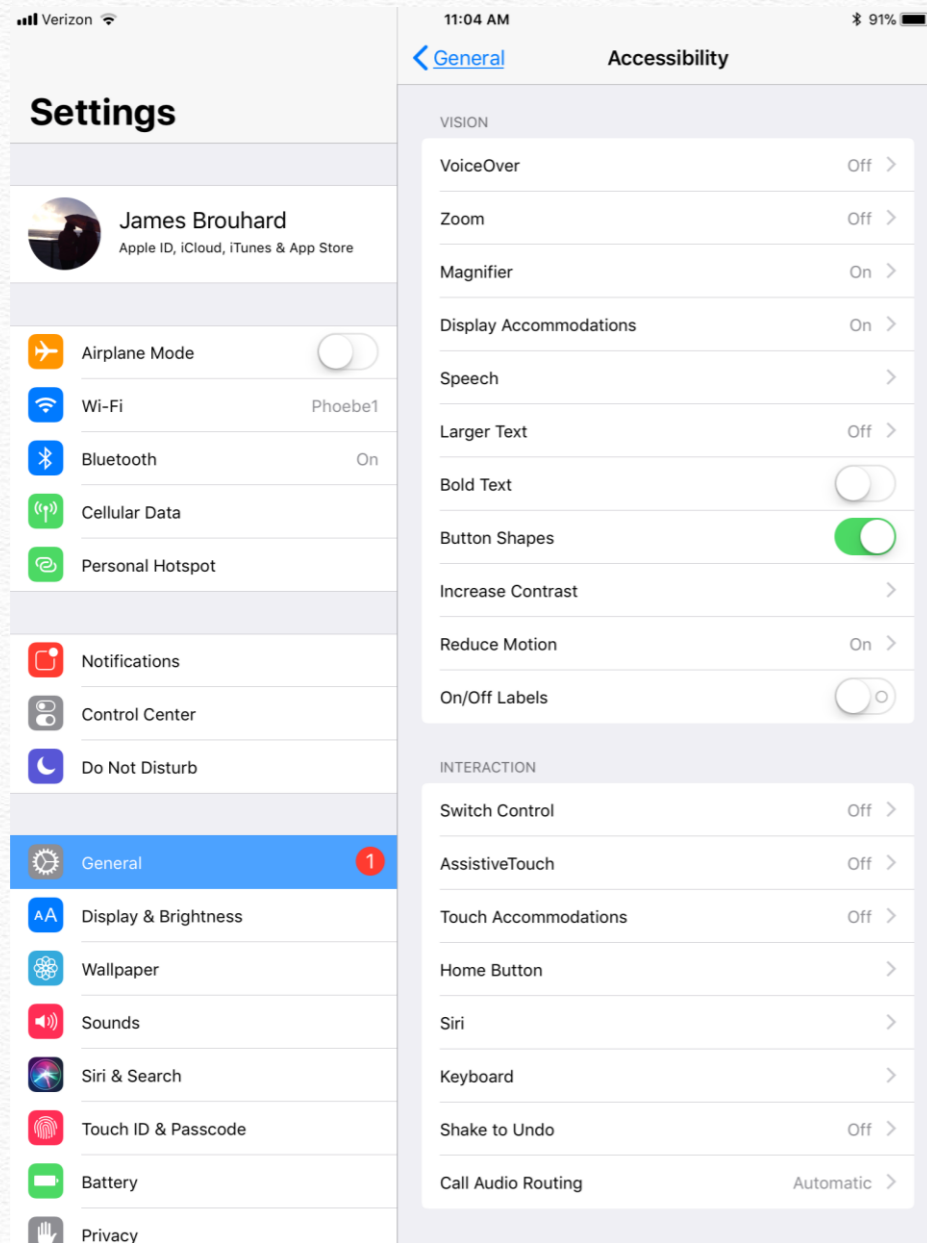
- ❖ Make settings your friend to support .....
- ❖ Vision
- ❖ Hearing
- ❖ Touch/mobility
- ❖ Cognitive support
- ❖ All devices have some sort of accessibility options built in....from Kindle Fire to iPads



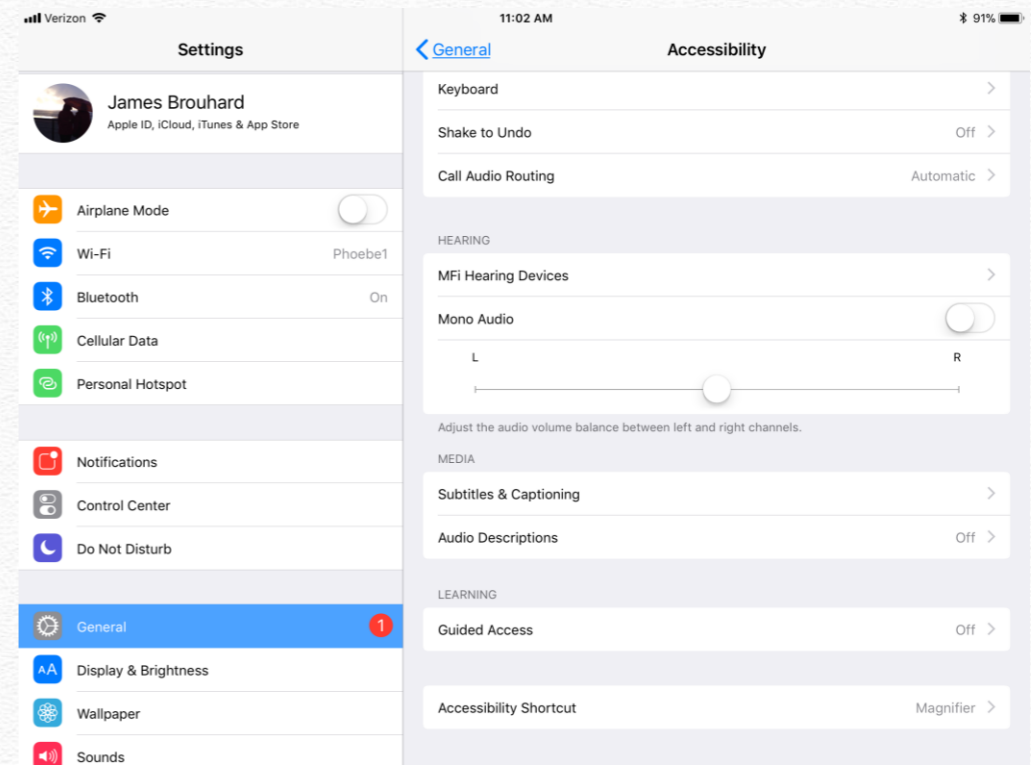
# Settings!

The restaurant!

The menu!



More to order from the menu!



Let's look at your devices!!



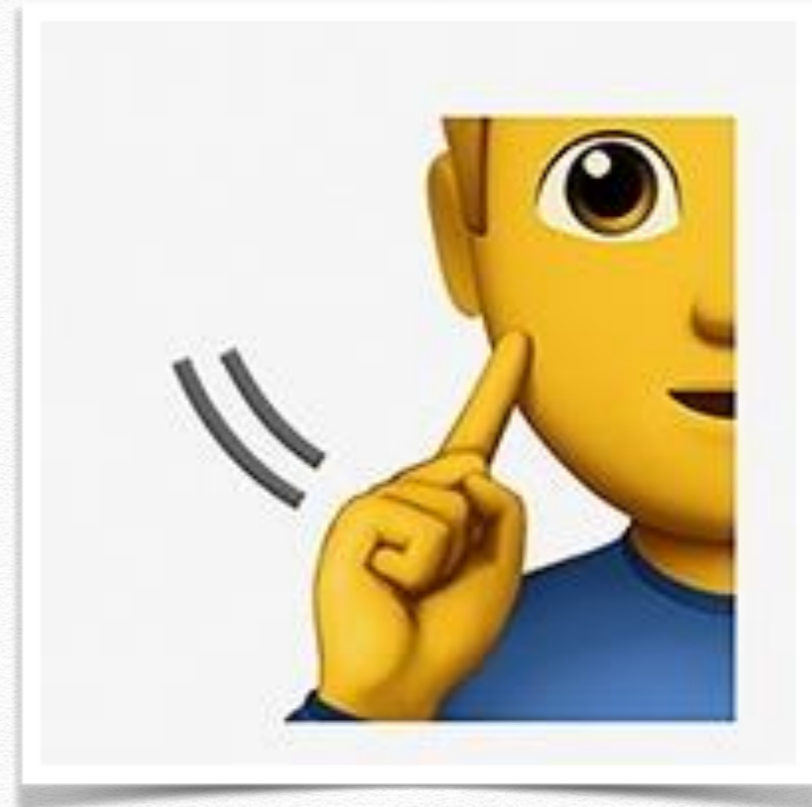
# Vision

- ❖ Screen Readers
- ❖ Magnification
- ❖ Invert colors
- ❖ Larger text
- ❖ Bold text
- ❖ Many options.....



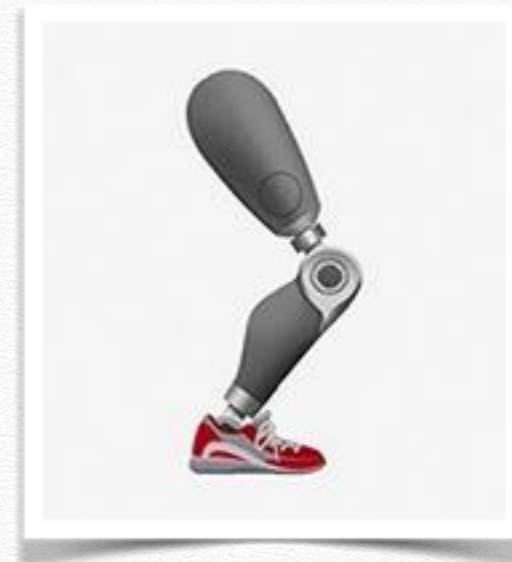
# Hearing

- ❖ Subtitles and captioning
- ❖ Specialized hearing aids
- ❖ FaceTime & Skype for signing
- ❖ Paired Bluetooth hearing aids if used
- ❖ Vibration or flashing notifications
- ❖ ....and many more possibilities!



# Mobility

- ❖ Switch control
- ❖ Siri and now.... Google or Alexa
- ❖ Dictation
- ❖ Assistive touch
- ❖ Speech to text with Siri



# Built in Features to assist those with Cognitive challenges .....

- ❖ Siri and Hey Google
- ❖ Screen reader
- ❖ Guided access
- ❖ Assistive touch



**Let's get to it!!!!**

**Hands on work!**

**Calendar and Reminder**

**Reminders**

**Pictello**

**4 letter words ...save, done, exit, edit**

**List of apps and handouts**



## **Calendars**



## **Reminders**

**Use notifications.... unique sounds for each one**

**Use Siri to add events ... and Hey Google**

**Use the iCloud/sync for remote assist**

# Reminders App

...\$1.99!  
iOS only



Kara's own voice!!

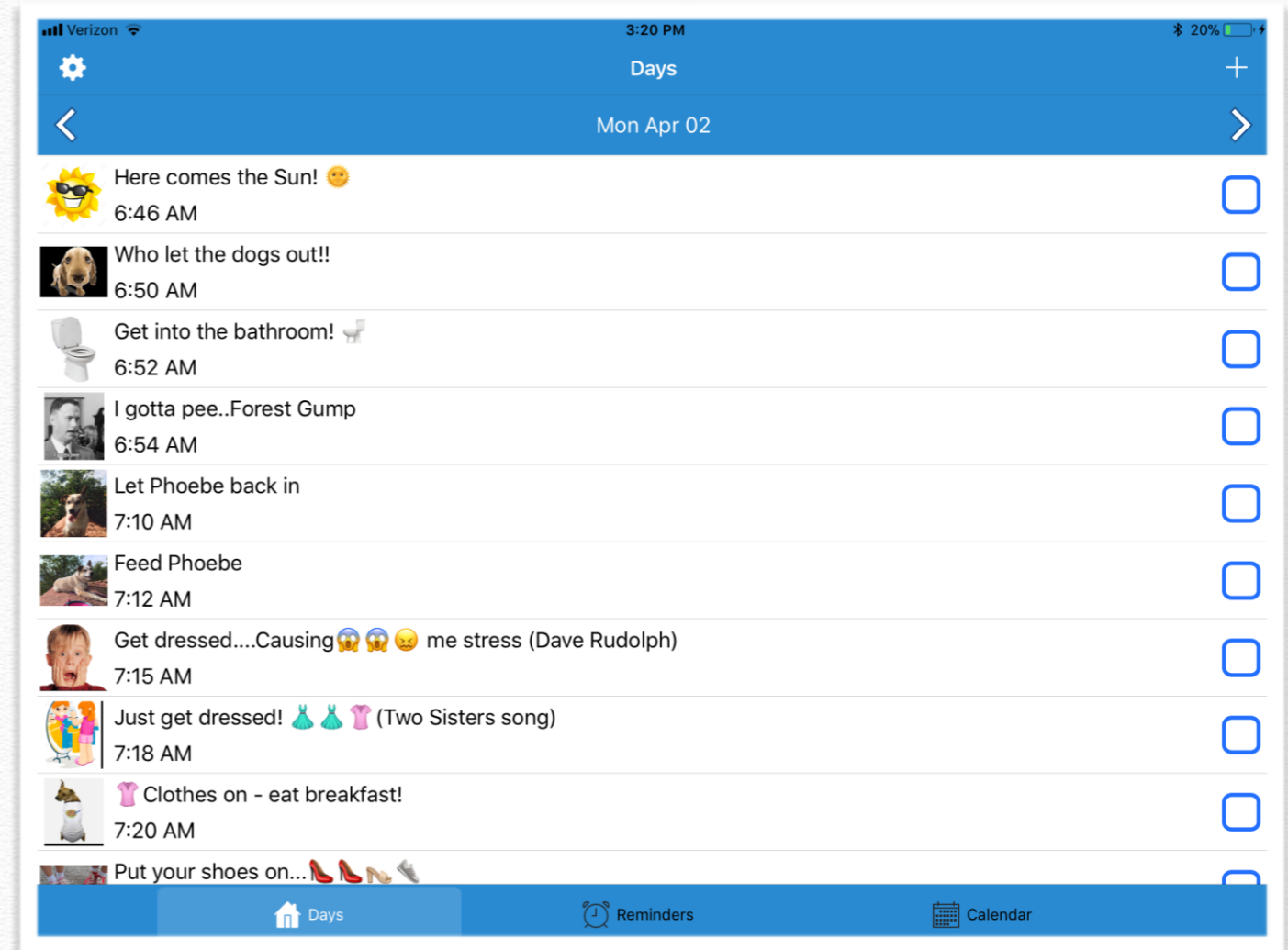
Music clips

Icons or pictures

Text

Check off when done!

Let's take a look.....!





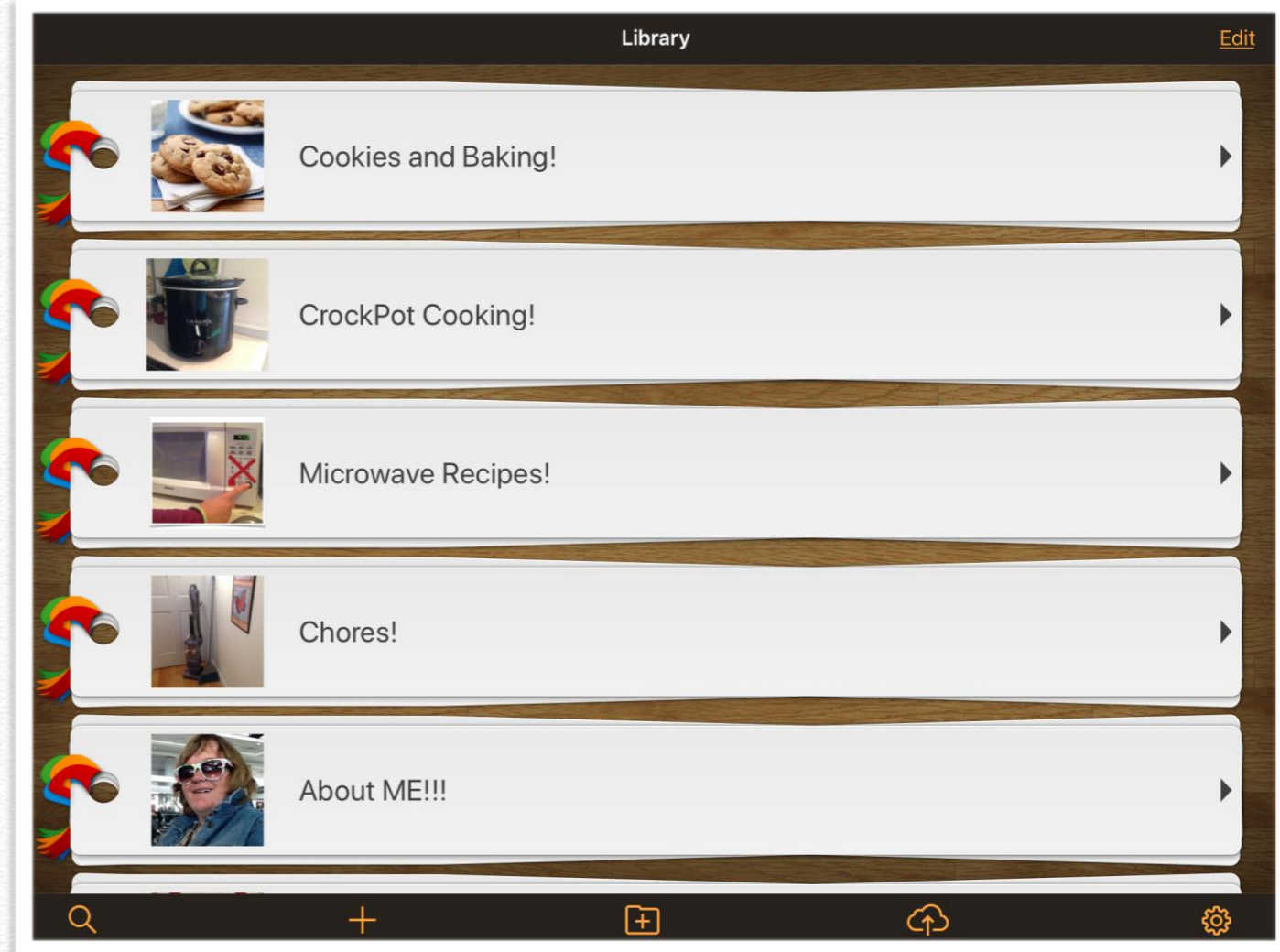
## Pictello....\$19.99 Android and iOS

Step by step picture and  
audio prompting

Or step-by-step video and  
audio prompting

Think of the many  
opportunities to use.....Home,  
school, employment,  
healthcare!

Let's take a look....!





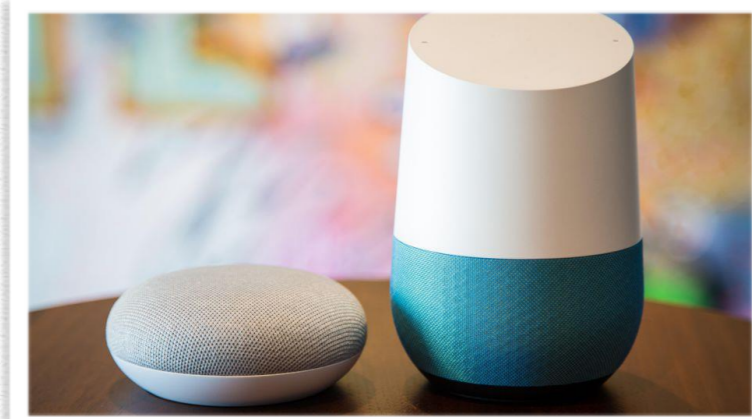
# The Future is now.....

- ❖ Amazon Echo Show
- ❖ Amazon Echo Dot
- ❖ Google Home Mini



Self determination with your own voice!

# Voice Activated Smart Speakers!



Google Home  
Starts at \$49.99

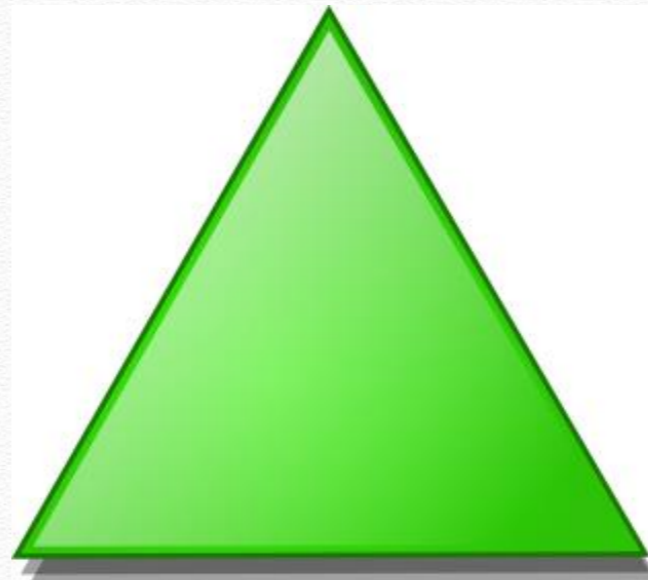
Amazon Alexa  
Starts at \$49.99



# Our new passion!! Smart Speakers

3 things needed

Internet Access



Tablet/ smart phone with  
corresponding Apps

Google Home.....Google  
account  
Amazon Alexa.....Amazon  
Account

Then.....add  
“skills”

# How Kara uses her personal assistant!



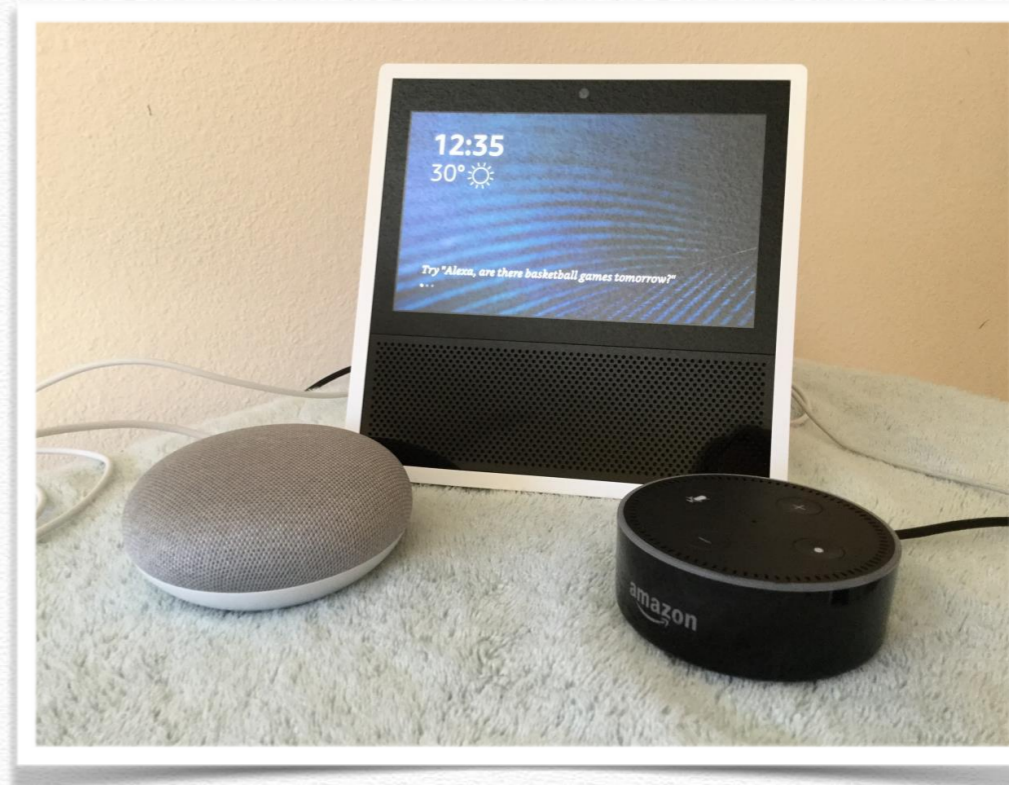
# Which One????

- ❖ Amazon has so many skills!
- ❖ Amazon better at home automation
- ❖ Thousands of “skills” to add!
- ❖ Google easier to set up
- ❖ Multiple things for Google to do
- ❖ Can carry on a more natural questioning with Google... Don't always have to say “Hey Google”



# Some of our favorites

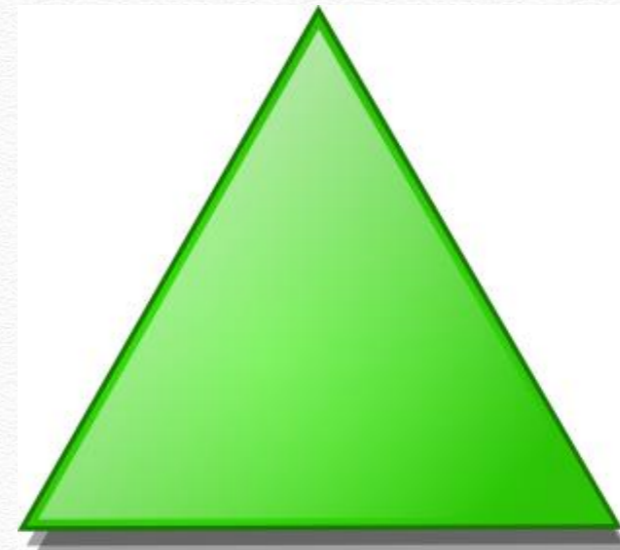
- ❖ Reminders by name and can set daily reminder
- ❖ Named timers
- ❖ Alexa add to my calendar
- ❖ What am I doing today
- ❖ Play music
- ❖ Calling and messaging hands free!



# Smart Home Automation with Alexa and Hey Google

Google Home or Alexa Device

Voice Controlled!!!!!!



Smart Plugs or Hubs

Wi-Fi

# Alexa fan here!

- ❖ A variety of devices to choose from
- ❖ Has named reminders and timers....
- ❖ In reviews the better device for smart home set up
- ❖ Echo Show!!



- ❖ Echo Show with Drop in feature!!!!
- ❖ Easy visual check in!
- ❖ Accessibility features!!



# Both Devices

- ❖ Have read that Alexa will recognize speech generating devices-
- ❖ Have not been able to verify that Google Home has that ability
- ❖ Make phone calls, send messages, respond to a variety of questions
- ❖ Both responded to recorded reminders on Reminders App
- ❖ Rivalry drives more features... what one adds it seems like the other device is not far behind

# For either one - Google Home or Amazon Echo

- ❖ Many “how to’s” available on how to set up
- ❖ Best sources at Google sites or Amazon sites
- ❖ Privacy... a concern for some

# Low tech-Low cost -Low Stress

- ❖ Color coded household items
- ❖ Colored Electrical Tape!



# Why?

- ❖ Long term cost of care can go down
- ❖ Increased self esteem- critical thinking enhanced
- ❖ Cross that digital divide
- ❖ Frees up support staff time for more meaningful work



As I describe different technology think about ways that you could use them with the people you support or in your own lives whether it be work, home care, school situations, and for more self determination

# Considerations....

- ❖ **Find the champions**
- ❖
- ❖ **Tech point person..... TIP squad**
- ❖ **Google the area of need for ideas**
- ❖ **Best apps for...**
- ❖ **best skills for Alexa for those with...**
- ❖ **best skills for Google for those with...**

# KB and Pictello ....My Life



# Yes I Can.....



**Families at the Forefront of  
Technology [www.familiesforefront.org/](http://www.familiesforefront.org/)**



**Coleman Institute for Cognitive Disabilities**

**UNIVERSITY OF COLORADO**

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

[www.colemaninstitute.org](http://www.colemaninstitute.org)



Colorado

For People With Intellectual and Developmental Disabilities

[www.thearcofco.org](http://www.thearcofco.org)



[www.alliancecolorado.org](http://www.alliancecolorado.org)