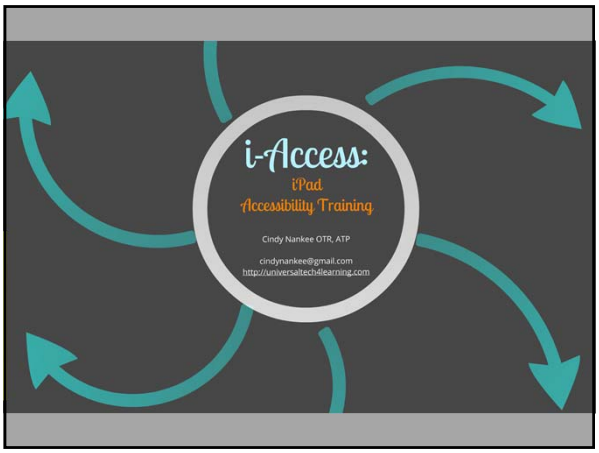
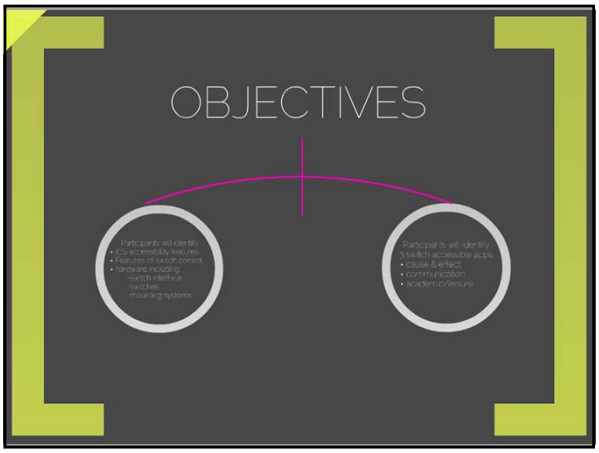
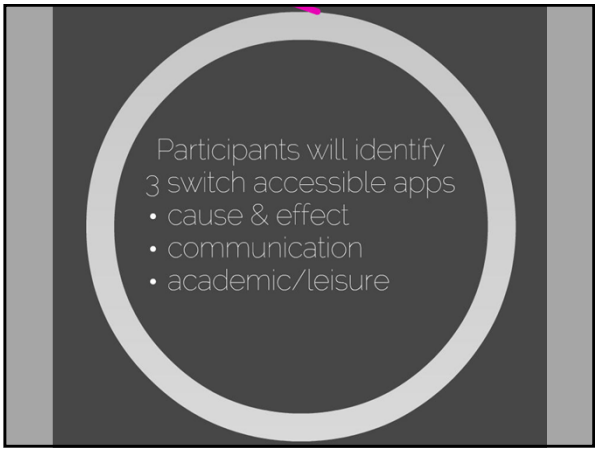
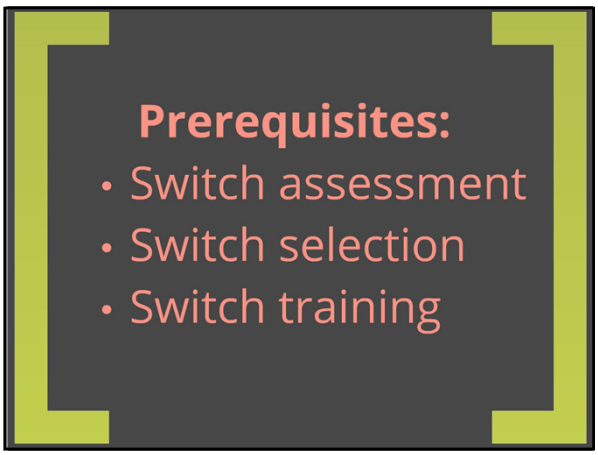

i-Access:
iPad
Accessibility Training
Cindy Nankee OTR, ATP
cindynankee@gmail.com
http://universaltechlearning.com

AGENDA
• Best Practices
• iOS built in accessibility
• iOS accessibility features
• Physical & motor features
• Hardware
• Apps


OBJECTIVES

Participants will identify
• iOS accessibility features
• Features of switch control
• hardware including
-switch interface
-switches
-mounting systems


Participants will identify
3 switch accessible apps
• cause & effect
• communication
• academic/leisure


Prerequisites:
• Switch assessment
• Switch selection
• Switch training

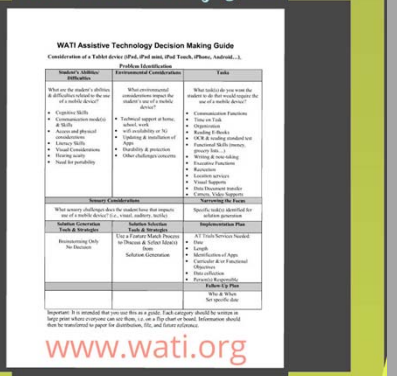
Audience Pole

Christopher from Down Under

http://www.youtube.com/watch?v=v8jKik_cY8E&list=PLuSCR2tn_IfkGMLY1EnedKZznc5EKgVrh&feature=share&index=1

Planning Tools

Decision Making Guide



WATI Assistive Technology Decision Making Guide

Consideration of a Tablet device (iPad, iPad mini, iPod Touch, iPhone, Android…).

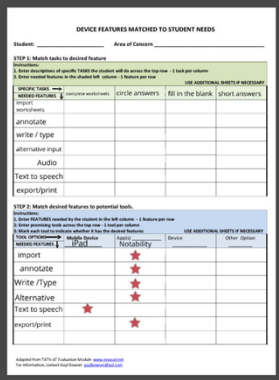
Problem Identification

Student's Abilities/ Difficulties	Environmental Considerations	Tasks
What are the student's abilities & difficulties related to the use of a mobile device? • Cognitive Skills • Communication mode(s) & Skills • Access and physical considerations • Literacy Skills • Visual Considerations • Hearing acuity • Need for portability	What environmental considerations impact the student's use of a mobile device? • Technical support at home, school, work • wifi availability or 3G • Updating & installation of Apps • Durability & protection • Other challenges/concerns	What task(s) do you want the student to do that would require the use of a mobile device? • Communication Functions • Time on Task • Organization • Reading E-Books • OCR & reading standard text • Functional Skills (money, grocery lists…) • Writing & note-taking • Executive Functions • Safety • Assistive services • Visual Supports • Data Document transfer • Camera, Video Supports
Sensory Considerations		Narrowing the Focus
What sensory challenges does the student/some that impacts use of a mobile device? (i.e., visual, auditory, tactile)		Specific task(s) identified for solution generation
Solution Generation Tools & Strategies	Solution Selection Tools & Strategies	Implementation Plan
Brainstorming Only No Decision	Use a Feature Match Process to Discuss & Select Item(s) from Solution Generation	AT Tools/Services Needed: • Data • Length • Identification of Apps • Curricular &/or Functional Activities • Data collection • Person(s) Responsible
		Follow-Up Plan
		Who & When Set specific date

Important: It is intended that you use this as a guide. Each category should be written in large print where everyone can see them, i.e. on a flip chart or board. Information should then be transferred to paper for distribution, file, and future reference.

www.wati.org

Feature Match



DEVICE FEATURES MATCHED TO STUDENT NEEDS

Student: _____ Area of Concern _____

STEP 1: Match tasks to desired feature

Instructions:
1. Enter descriptions of specific TASKS the student will do across the top row - 1 task per column
2. Enter needed features in the shaded left column - 1 feature per row

USE ADDITIONAL SHEETS IF NECESSARY

SPECIFIC TASKS → / NEEDED FEATURES ↓	complete worksheets	circle answers	fill in the blank	short answers
import worksheets				
annotate				
write / type				
alternative input				
Audio				
Text to speech				
export/print				

STEP 2: Match desired features to potential tools.

Instructions:
1. Enter FEATURES needed by the student in the left column - 1 feature per row
2. Enter promising tools across the top row - 1 tool per column
3. Mark each tool to indicate whether it has the desired features

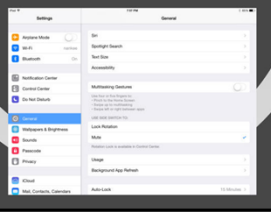
USE ADDITIONAL SHEETS IF NECESSARY

TOOL OPTIONS → / NEEDED FEATURES ↓	Mobile Device iPad	Apple: Notability	Device	Other Option
import		★		
annotate		★		
Write /Type		★		
Alternative		★		
Text to speech	★			
export/print		★		

Adapted from TATV AT Evaluation Module: www.tmsouth.net
For information, contact Gayl Bowser: gaylbowser@aol.com

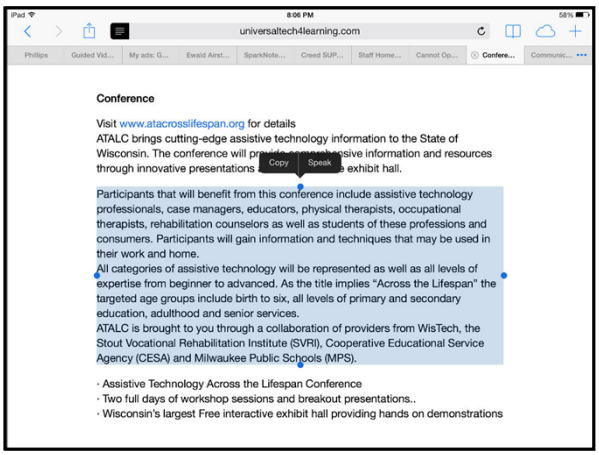
General Settings

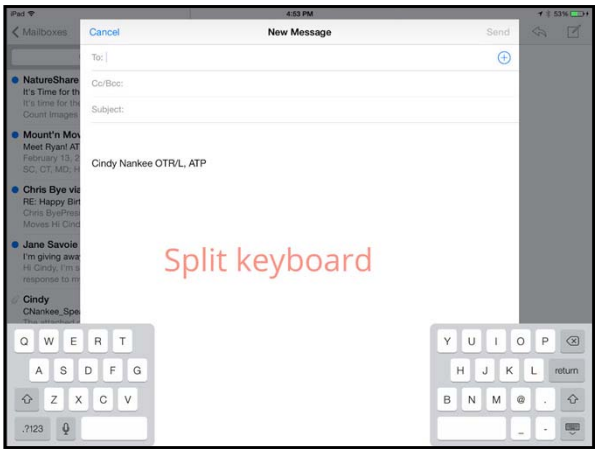
- Siri
- Safari Reader
- Keyboard

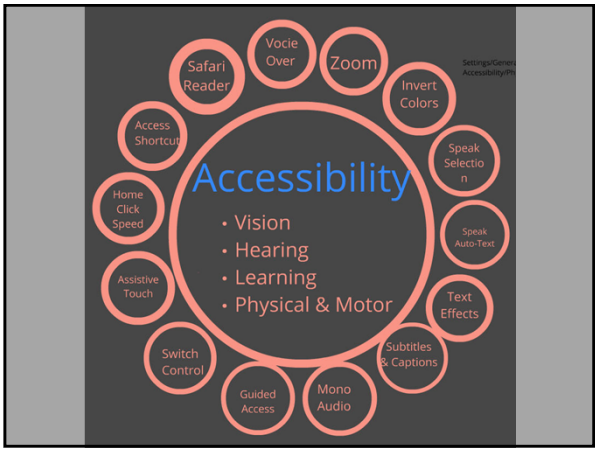


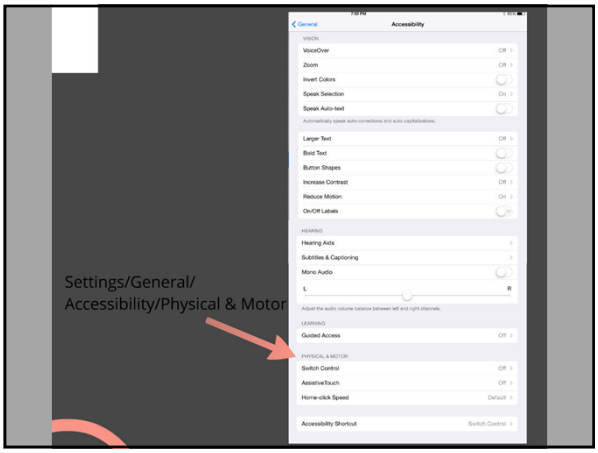
Siri, Safari Reader & Split Keys Video
http://www.youtube.com/watch?v=GOlcMWBYxdc
YouTube

Some things you can ask me:
FaceTime
"FaceTime Lisa"
App Launching
"Launch Photos"
Messages
"Tell Susan I'll be right there"
Calendar
"Set up a meeting at 9"
Sports
"Did the Giants win?"
Maps
"Give me directions home"
Twitter
"Tweet with my location..."
Facebook
"Post to Facebook..."


universaltech4learning.com
Conference
Visit www.atacrosslifespan.org for details
ATALC brings cutting-edge assistive technology information to the State of Wisconsin. The conference will provide comprehensive information and resources through innovative presentations
Copy
Speak
exhibit hall.
Participants that will benefit from this conference include assistive technology professionals, case managers, educators, physical therapists, occupational therapists, rehabilitation counselors as well as students of these professions and consumers. Participants will gain information and techniques that may be used in their work and home.
All categories of assistive technology will be represented as well as all levels of expertise from beginner to advanced. As the title implies "Across the Lifespan" the targeted age groups include birth to six, all levels of primary and secondary education, adulthood and senior services.
ATALC is brought to you through a collaboration of providers from WisTech, the Stout Vocational Rehabilitation Institute (SVRI), Cooperative Educational Service Agency (CESA) and Milwaukee Public Schools (MPS).
· Assistive Technology Across the Lifespan Conference
· Two full days of workshop sessions and breakout presentations..
· Wisconsin's largest Free interactive exhibit hall providing hands on demonstrations

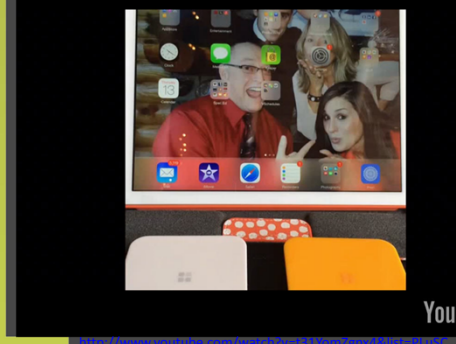

Cancel
New Message
Send
To:
Cc/Bcc:
Subject:
Cindy Nankee OTR/L, ATP
Split keyboard


Accessibility
• Vision
• Hearing
• Learning
• Physical & Motor
Vocie Over
Zoom
Invert Colors
Speak Selection
Speak Auto-Text
Text Effects
Subtitles & Captions
Mono Audio
Guided Access
Switch Control
Assistive Touch
Home Click Speed
Access Shortcut
Safari Reader


Settings/General/
Accessibility/Physical & Motor
Accessibility

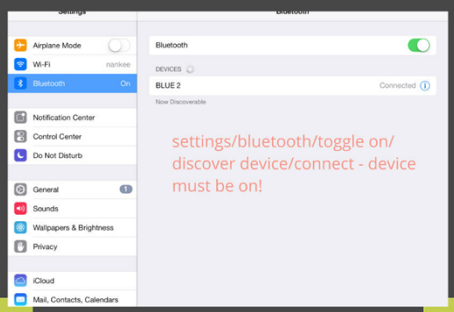
iOS Switch Control

Video Tutorial
&
Step by Step Picture tutorial



http://www.youtube.com/watch?v=t31YomZgnx4&list=PLUsCR2tn_IfmADjoX2Exn3DTx8Ir-w7vW&feature=share

1st: Connect Bluetooth



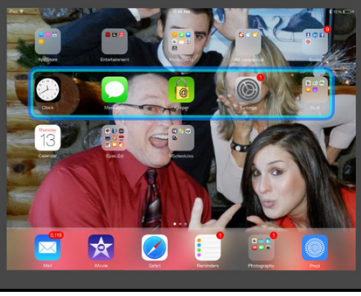
settings/bluetooth/toggle on/ discover device/connect - device must be on!

2nd: Accessibility Shortcut

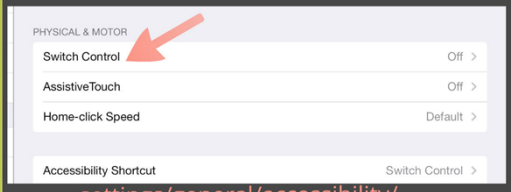
settings/general/accessibility/
accessibility shortcut

the accessibility shortcut will allow you to triple click the the home button for on/off

Turn on switch control with Triple Click Home

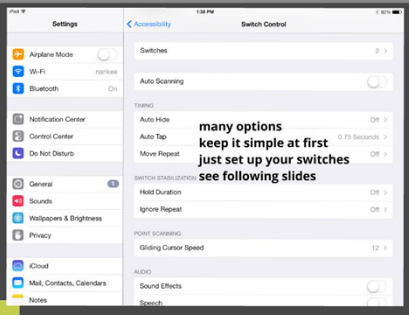


3rd: Switch Control



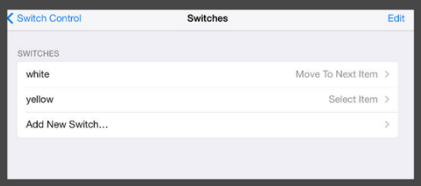
settings/general/accessibility/
switch control

Switch Control Settings

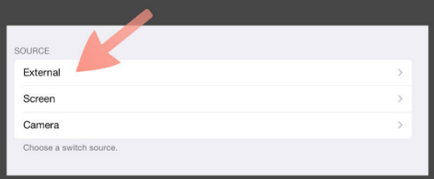


many options
keep it simple at first
just set up your switches
see following slides

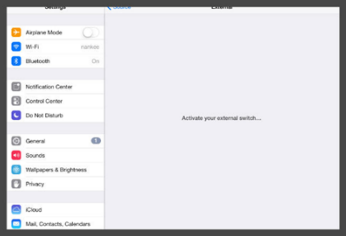
Add a Switch



External Switch

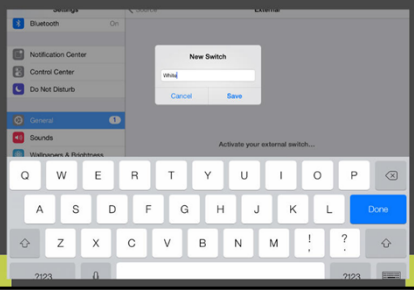


Activate Switch

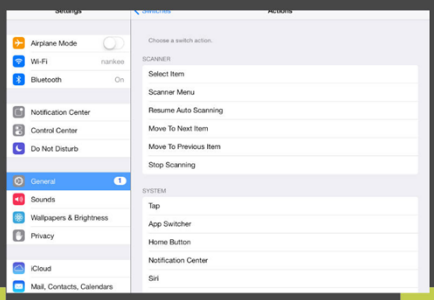


Tap Switch to Activate

Name Switch

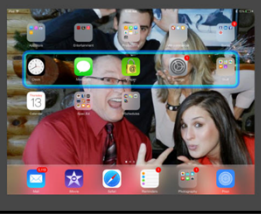


Choose a Switch Action

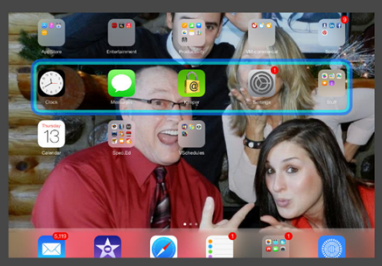


Turn on Switch Control

Exit settings
Triple click home

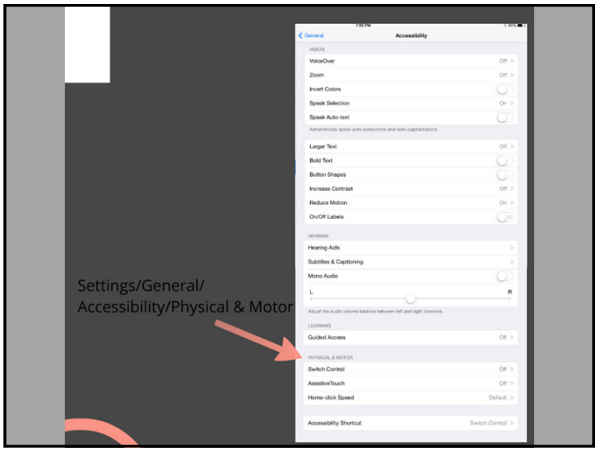


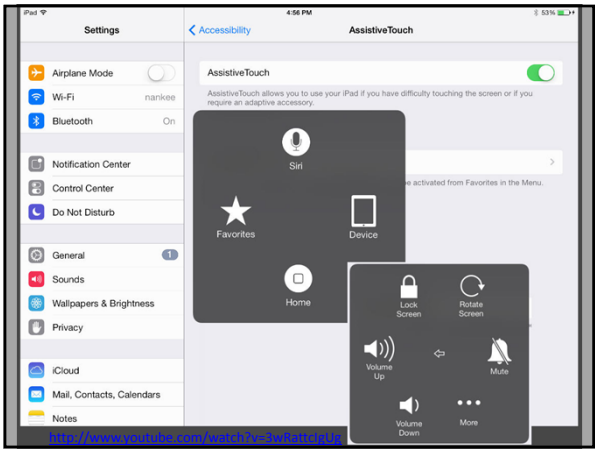
Scan & Select



Best Practice

- Use iOS switch control to navigate iPad
- Use app switch settings when it is not necessary to navigate outside of a particular app





Hardware

- Switch Interfaces
- Switches
- Cases
- Mounts

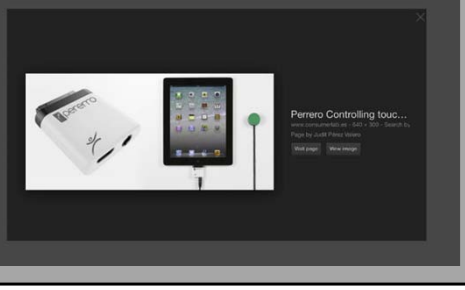
Switch Interface

Blue2-Ablenet

Bluetooth Super switch and Bluetooth Switch Interface by RJ Cooper

Switch2Scan - Applicator

Pererro



Techla

Zygo

j-Pad joystick

Switches

Mechanical
lever
plate
mercury
proximity

Turn Your iPad into a switch

Attainment Switch

Switchamagig-

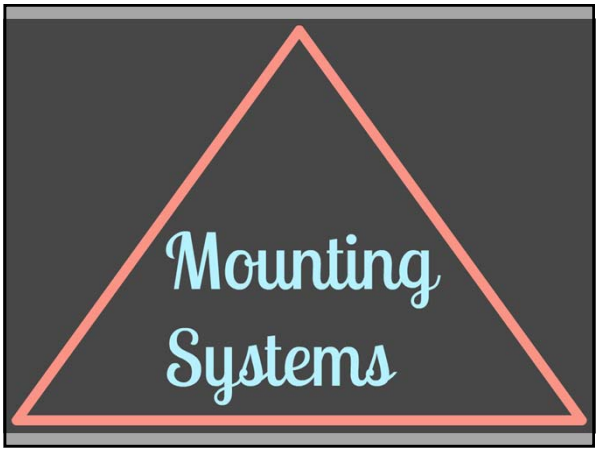
Attainment Switch

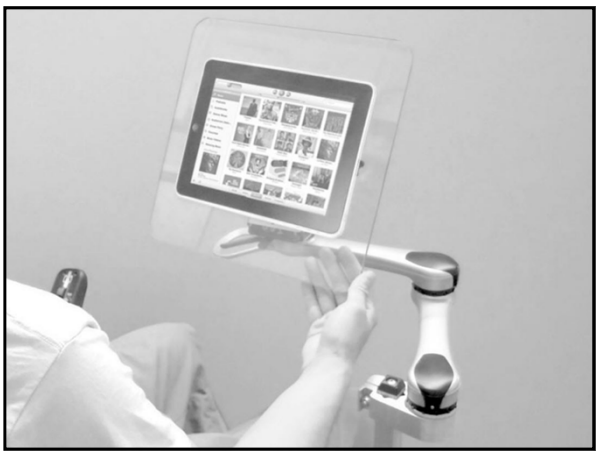
Switchamagig-

Cases

Big Grips
GoNow
Grip Case

GripCase
GRIPCASE


Mounting
Systems



Cindy's Top 5

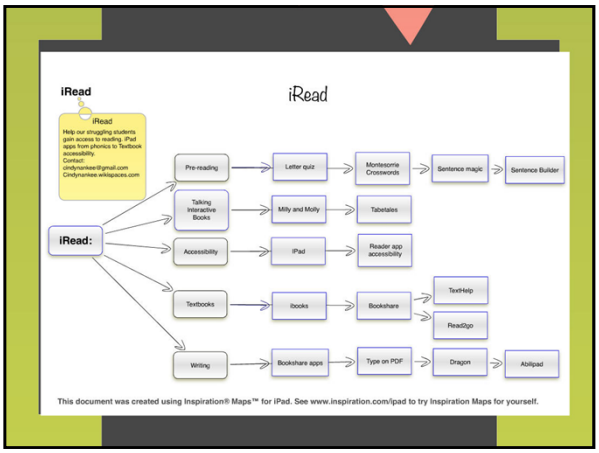
- Cause and Effect: Magic Reacticles
- Apps to teach Scanning: Catch the Cow
- Communication: Sounding Board
- Video Modeling: iMovies, Picture Scheduler
- Reading : Voice Dream
- Writing: Type on PDF

http://www.youtube.com/watch?v=p7lVealotpU&feature=youtu.be

Resources

cindynankee@gmail.com
http://universaltech4learning.com
http://www.spectronicsinoz.com/blog/apple/
www.ablenetinc.com
www.enabingdevices.com
www.inclusivetlc.com
www.donjohnston.com
QIAT www.indicators.knowbility.org
www.atinternetmodules.org
www.wati.org

Vendor Webinars
Ablenet University


iRead
iRead
iRead
Help our struggling students gain access to reading. iPad apps from phonics to Textbook accessibility.
Contact:
cindynankee@gmail.com
Cindynankee.wikispaces.com
iRead:
Pre-reading
Letter quiz
Montessorrie Crosswords
Sentence magic
Sentence Builder
Talking Interactive Books
Milly and Molly
Tabetales
Accessibility
IPad
Reader app accessibility
Textbooks
Ibooks
Bookshare
TextHelp
Read2go
Writing
Bookshare apps
Type on PDF
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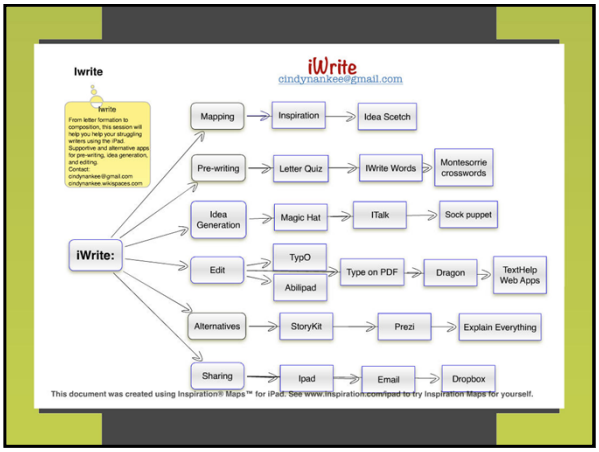
Iwrite
iWrite
cindynankee@gmail.com
Iwrite
From letter formation to composition, this session will help you help your struggling writers using the iPad. Supportive and alternative apps for pre-writing, idea generation, and editing.
Contact:
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cindynankee.wikispaces.com
iWrite:
Mapping
Inspiration
Idea Scetch
Pre-writing
Letter Quiz
IWrite Words
Montesorrie crosswords
Idea Generation
Magic Hat
ITalk
Sock puppet
Edit
TypO
Abilipad
Type on PDF
Dragon
TextHelp Web Apps
Alternatives
StoryKit
Prezi
Explain Everything
Sharing
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Dropbox
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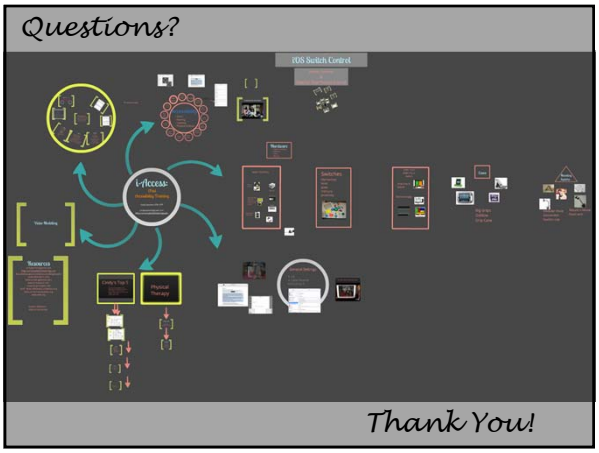
Questions?
Thank You!