Objectives

• Participants will be able to define Feature Matching.
• Participants will be able to describe the process of Feature Matching.
• Participants will be able to use a Feature Matching Chart for AAC Apps.
Must Maintain Focus on the Goal of AT

• If the focus is on acquiring the latest technology, then we have allowed the technology to control us.

• Feature Match! Match the needs of the person to features of the technology.

• Need a steady focus on selecting device features, strategies, devices, accessories, etc. that support functional capabilities.
Assessment Considerations

- Current Skills and Needs
- Opportunities for Use
- User’s Interests
- Access Methods
- Projected Needs in the Future
- Facilitators’ Knowledge and Skills
Augmentative Communication Assessment Considerations

- Symbols
  - Size
  - Type—pictures and/or text
  - Number of symbols in display
- Message Types (single words vs. phrases or sentences, spelling)
- Communicative Intent
Summary of Steps in Planning a Purchase

- Do the AT assessment including feature matching.
- Purchase device and accessories needed.
- Set up iTunes account and purchase apps.
- Download apps and sync devices.
- Check for upgrades periodically.
- Implement evidence-based intervention strategies.
Available Comparison Chart

<table>
<thead>
<tr>
<th>C.P.A.</th>
<th>Can Speak</th>
<th>Click N Talk</th>
<th>CamTalk</th>
<th>CamTalk 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free</td>
<td>$1.99</td>
<td>$2.99</td>
<td>$1.99</td>
<td>$4.99</td>
</tr>
<tr>
<td>Phone</td>
<td>Phone</td>
<td>iPad</td>
<td>iPad</td>
<td>iPad</td>
</tr>
<tr>
<td>CPA</td>
<td>APA/PAAC symbols</td>
<td>Custom symbols</td>
<td>Custom symbol</td>
<td>Custom symbol</td>
</tr>
<tr>
<td>Required speech</td>
<td>Required speech</td>
<td>Required speech</td>
<td>Required speech</td>
<td>Required speech</td>
</tr>
<tr>
<td>Direct access</td>
<td>Direct access</td>
<td>Direct access</td>
<td>Direct access</td>
<td>Direct access</td>
</tr>
</tbody>
</table>

**Predictable**

Short Description: Predictable is a comprehensive text-based communication app available for both iPhone/iPod Touch and iPad. It is also now available on Android.

Top 5 Features:
1. **Word prediction with integrated learning of words**
2. **Switch Accessible** (use with interfaces such as Applikey, SwitchBox and Switch2Scan).
3. **High-quality text-to-speech voices** (US, British and 2 Australian voices).
4. **Save commonly used sentences/phrases into the customisable phrase bank**.
5. **Share messages via email, Facebook, Twitter, and text messages**.

Website links:
- Predictable [developer page](http://www.predictable.com)
- Predictable [support page](http://www.predictable.com/support) with user guide and fact sheets (navigate to downloads section)
- Predictable [videos](http://www.predictable.com/videos) (navigate to video section)

http://www.spectronicsinoz.com/article/iphoneipad-apps-for-aac
## AAC App Comparison Chart

| APP                        | Auto-skim | Auto-read | Auto-transport | Auto-scroll | Voice clip | Text-to-speech | Cross-platform | Symbol library | Custom symbol library | Core vocabulary | Custom Core vocabulary | Other languages | Custom other languages | Touch gesture | Custom Touch gesture | Text-to-speech dictation | Custom Text-to-speech dictation | Text-to-speech | Custom Text-to-speech | Voice command | Custom Voice command | Integrate Braille | Custom Integrate Braille | Multitouch gestures | Custom Multitouch gestures | Voice activation | Custom Voice activation | Custom character keys | Custom Custom character keys |
|----------------------------|-----------|-----------|----------------|-------------|------------|---------------|----------------|---------------|---------------------|---------------------|----------------------|-----------------------|----------------------|----------------------|-------------------|----------------------|--------------------------|--------------------------|-----------------|----------------------|------------------|----------------------|---------------------|----------------------|---------------------|---------------------|-------------------|-------------------|
App Features: Access

Sounding Board App

Tap Speak Choice App
Accessibility for Low Vision

- iPads have **accessibility features** built in:
  - White on Black: Change the display on your iPad to white on black. Works in all applications (also in iPod Touch).
  - Audible Alerts: for incoming and outgoing mail and calendar event requests. iPad also offers an audio option for confirming keyboard actions.
  - Adjustable Speaking Rate.
Access to iDevices

- **Access to iDevices**: A list of various access options
  
Access to iDevices

• **Switch Access to iDevices** and more:

- Tecla Shield
- New Blue2
- and iOS7
App Features: Vocabulary

Category

Look 2 Learn App
App Features: Vocabulary

Grammar Based

Touch Chat App
App Features: Views

Messages or Pages in List View

Tap Speak Sequence App
App Features: Views

History of Messages

Able AAC App
App Features: Views

Sentence Window

Sono Flex App
App Features: Views

Message Edit

Talk Tablet App
App Features: Views

Symbols Hidden

Speak 4 Yourself App
App Features: Symbols

Core Vocabulary Available

iclickitalk App

LAMP App
App Features: Symbols

Input own Photos

Alexicom App
App Features: Symbols

Graphics Library Available

Tap Speak Button Plus
App Features: Speech

Digitized Voice Option

Tap Speak Button Plus App
App Features: Speech

Voice Turn Off for Messages

Tap to Talk App
App Features: Speech

Child Voice Available

Sono Flex App
## App Features: Speech

### Pronunciation Editor

<table>
<thead>
<tr>
<th>Term</th>
<th>Pronunciation</th>
</tr>
</thead>
<tbody>
<tr>
<td>beonce</td>
<td>beo'nsay</td>
</tr>
<tr>
<td>casa diez</td>
<td>kawsa dee ez</td>
</tr>
<tr>
<td>chick-fil-a</td>
<td>Chick fillay</td>
</tr>
<tr>
<td>diplodocus</td>
<td>diplodda'cus</td>
</tr>
<tr>
<td>fajita</td>
<td>fahita</td>
</tr>
<tr>
<td>fajitas</td>
<td>fahitas</td>
</tr>
</tbody>
</table>
App Features: Messages

Messages Link to Pages

Talk Tablet App
App Features: Messages

Selected Messages Zoom or Enlarge

Tap Speak Choice App
App Features: Text-to-Speech

Phrase Storage

Please pick me up.
I need help.
I don't understand.
Hi, how are you doing?
App Features: Text-to-Speech

Phrase Removal

Talk Assist App
App Features: Text-to-Speech

Word Completion or Prediction

iMean App

Typo-O HD App
App Features: Text-to-Speech

Speak Letter, Word, or Sentence

App Writer App
App Features: Text-to-Speech

Handwriting Option

My son's name is Thomas
# App Features: Text-to-Speech

## Spell Check

<table>
<thead>
<tr>
<th>Section</th>
<th>Feature</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Keyboards</strong></td>
<td>Speak words as you type</td>
<td>ON</td>
</tr>
<tr>
<td></td>
<td>Speak keys as you type</td>
<td>OFF</td>
</tr>
<tr>
<td><strong>Preferences</strong></td>
<td>Speak sentences as you type</td>
<td>ON</td>
</tr>
<tr>
<td></td>
<td>Spell Check</td>
<td>ON</td>
</tr>
<tr>
<td><strong>Voice</strong></td>
<td>Word Prediction</td>
<td>ON</td>
</tr>
<tr>
<td><strong>Share</strong></td>
<td>AAC Mode (clear button)</td>
<td>ON</td>
</tr>
<tr>
<td></td>
<td>Rate of Speech</td>
<td></td>
</tr>
<tr>
<td></td>
<td>External Links</td>
<td>ON</td>
</tr>
</tbody>
</table>
App Features: Text-to-Speech

Stored Vocabulary

Verbally App
App Features: Social Media

Email, SMS, Facebook, Twitter
App Features: Editing

Under “Settings”

[Diagram showing settings options for Synthetic Voice, Message Window Behavior, and Multitasking]

Sonoflex App
App Features: Editing

In App Editing

MetaTalk App
App Features: Editing

Editing on the Computer: Grid Player 2 for the Grid Player App
App Features: Editing

Rearranging Sequence of Icons
Augmentative Communication Intervention

Effective Augmentative Communication intervention is grounded in:

- Careful vocabulary and message selection.
- Interactive use of AAC strategies planned and practiced based on systematic observation of current communication strategies and needs.
- Aided language stimulation.
- Focus on core vocabulary.
- Facilitator and partner training.
Available AAC Apps and Descriptions

- [http://www.spectronicsinoz.com/article/iphoneipad-apps-for-aac](http://www.spectronicsinoz.com/article/iphoneipad-apps-for-aac)
- [http://www.sc.edu/scatp/expo/expo11handouts/Apps%20Galore!.pdf](http://www.sc.edu/scatp/expo/expo11handouts/Apps%20Galore!.pdf)
- [http://appsforaac.net/applist](http://appsforaac.net/applist)
- [http://communicationaids.info/tag/aac-apps/](http://communicationaids.info/tag/aac-apps/)
Guided Access

Lock in only one app and deactivate portions of the screen at one time.

To Turn On Guided Access:
Open Settings and select General.
Swipe down to Accessibility and select Guided Access.
Turn on Guided Access and Set Passcode
Enter 4 digit numeric code and re-enter 4 digit numeric code.
Push Home button. Guided Access is now enabled and ready for use.
Open any app.
Triple push (3x) Home button. Choose settings:
Hardware Buttons (volume, power, home button) option should be turned off. Touch and Motion can be left enabled.
Circle areas on the screen you would like to disable. You will see a gray box snap around the area. You can resize the box. Push the X in the upper left hand corner of the box to remove.
Once options are selected, press start in upper right hand corner. The app is now ready for use.
Guided Access

To Turn Off Guided Access:
Triple push (3x) home button.
Enter Passcode (4 digit numeric code).
Press end in upper left hand corner.
Guided Access is now disabled.

Go to this webpage for photos and step-by-step directions:
http://www.doodletherapyapps.com/new-accessibility-features-for-the-ipad/
Facilitating App Use

- Supporting the use of a new app:
  - Identify features that will be needed
  - Review features that will be used the most.
  - May need to start with a few features and build from there.
  - Model use of app and then model some more.
  - Find helpful YouTube Videos that model use.
  - Provide lots of opportunity for practice
  - Train other facilitators.
Remember: Technology Continues to Change Rapidly

- Apps are updated frequently
  - Developers seem to be responsive to suggestions.
- New apps are added regularly.
Summary

• Apps are best viewed as one possible option for individuals with disabilities.
• Best practice includes careful assessment including feature matching.
• Intervention should be evidence-based including consideration of multi-modal system.
• If possible, try before you buy. Resources include your state Assistive Technology Program.
South Carolina
Assistive Technology Program
USC School of Medicine
Center for Disability Resources
Columbia, SC 29208
803-935-5263
800-915-4522 Toll Free
http://scatp.med.sc.edu/