

Feature Matching Jennifer Nelsen M.A. CCC-SLP

What is Feature Matching?

 Feature Matching is the systematic process by which a person's strengths, abilities and needs are matched to available tools and strategies (Shane & Costello, 1994).



Important Concepts

- Familiarizing yourself with AAC device features
- Identifying resources for comparing current AAC app features

Why Use Feature Matching?

- Following an in depth dynamic assessment, the team has determined an i-device platform will best meet the students current and future needs.
 - What are some current Dynamic Forms you are currently using to assess AAC?
- Feature Matching allows identification of the most appropriate AAC application before trialing or purchasing.

Types of Feature Quick For Marthing Charts

http://tinyurl.com/njyccab

Apps Feature Matching Worksheet, Katie Lyon

http://tinyurl.com/ocyaw54

AAC Apps Feature Comparison, Crawford, S. & Watson, P.

http://tinyurl.com/m5kaz49

Children's Hospital Boston, Feature Matching Communication Applications, Jessica Gosnell,

How to Use Feature Matching



Video of CR

How to Use Feature Matching

Step 2: Use Feature Matching Chart to identify required key features.

Purpose of Use Output



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Speech Settings

Voice Recording Voice Recording Temporary Volume Pause Speech Speak after letter Speak after Nord Speak after Nunctuation Speech to symbol dictate Speech to symbol dictate		81 - 12	S	eec	h Se	tting	15		
	Voice Recognition	Voice Recording	Temporary Volume	Pause Speech	Speak after letter	Speak after Word	Speak after Punctuation	Speak upon selection	Speech to symbol dictate
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#### Customization of Synthesized Speech Representation

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

# Display

| L'Alter I |      |        |                |         |                |             | Dis           | splay         | (1,2 | 3,4)    |      |           |          |                     |                          |                |  |
|-----------|------|--------|----------------|---------|----------------|-------------|---------------|---------------|------|---------|------|-----------|----------|---------------------|--------------------------|----------------|--|
|           | Text | Symbol | Single Message | Dynamic | Text to Speech | Topic Based | Choice Boards | Scene Display | tabs | pop ups | list | grid view | keyboard | vertial orientation | horizational orientation | message window |  |
|           |      |        |                |         |                |             |               |               |      |         |      |           |          |                     |                          |                |  |

## Customization of Display Settings

Customization of Display Settings

| adit field size<br>symbol size<br>color background | color board er | color of text | text size | text location (above below symbol) | font | modify button type | button shape | boarder thickness | board change indicator | symbol distance | button launches app | hide symbols | orientation | hide message windwo | change location of message window | symbols in message wind ow | keyboard- QWERTY | keyboard- VOWEL | Keyboard- ABC |  |
|----------------------------------------------------|----------------|---------------|-----------|------------------------------------|------|--------------------|--------------|-------------------|------------------------|-----------------|---------------------|--------------|-------------|---------------------|-----------------------------------|----------------------------|------------------|-----------------|---------------|--|
|                                                    |                |               |           |                                    |      |                    |              |                   |                        |                 |                     |              |             |                     |                                   |                            |                  |                 |               |  |
|                                                    |                |               |           |                                    |      |                    |              |                   |                        |                 |                     |              |             |                     |                                   |                            |                  |                 |               |  |
|                                                    |                |               |           |                                    |      |                    |              |                   |                        |                 |                     |              |             |                     |                                   |                            |                  |                 |               |  |
|                                                    |                |               |           |                                    |      |                    |              |                   |                        |                 |                     |              |             |                     |                                   |                            |                  |                 |               |  |

### Feedback Features Rate Enhancements-no

#### concerns

|                | Fee          | edba            | ck F          | eatu              | res <sup>(</sup>  | 4,5)           |                 | CU                     | ST                    | Rat             | e Enha                 | ancem                   | ent                      | Featu             | res <sup>(1</sup> | ,2,3)             |                 |                      |                              | CUST              |                             |  |
|----------------|--------------|-----------------|---------------|-------------------|-------------------|----------------|-----------------|------------------------|-----------------------|-----------------|------------------------|-------------------------|--------------------------|-------------------|-------------------|-------------------|-----------------|----------------------|------------------------------|-------------------|-----------------------------|--|
| Symbol enlarge | rame/Outline | Visual Scanning | ighlight Text | Animated Graphics | Tactical Feebback | Auditory Click | Auditory Review | Animate Graphic on/off | auditory click on/off | Word prediction | Abbreviation Expansion | Logical Letter Encoding | Ability to store phrases | "recent" use list | phrase prediction | letter prediction | scrolling cells | auto correct/predict | Minspeak (semantic encoding) | prediction on/off | scrolling features (on/off) |  |
| - 00           | <u> </u>     | 2               | +             | 4                 | -                 | đ              | đ               | ~                      | ng.                   |                 |                        |                         |                          |                   |                   |                   |                 |                      |                              |                   |                             |  |
|                |              |                 |               |                   |                   |                |                 |                        |                       | -               |                        |                         |                          |                   |                   |                   |                 |                      |                              |                   |                             |  |

## Access Motor Competence

|                  |          | ٨                     | cces     | is <sup>(4,)</sup> | 5)        |       |            |                       | cus              | т               | Requ  | ire mo        | tor co | npete      | ence(6) |
|------------------|----------|-----------------------|----------|--------------------|-----------|-------|------------|-----------------------|------------------|-----------------|-------|---------------|--------|------------|---------|
| Direct Selection | Scanning | Use of Pointer/Stylus | Scanning | Eye Gaze           | Joy Stick | mouse | Head Mouse | assigned motor action | No Repeat on/off | adjust dwell    | swipe | Isolate Point | pinch  | double tap | genb    |
|                  |          |                       |          |                    |           |       |            |                       |                  |                 |       |               |        |            |         |
|                  |          |                       |          |                    |           |       |            |                       |                  |                 |       |               |        |            |         |
|                  | নৰৰব     |                       |          | 2908               | J.S.J.S   | KEER  |            |                       |                  | ৰ <b>ৰ্বৰ</b> ব |       |               |        |            | বৰৰণ    |

#### Support Miscellaneous - no

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| On-Site         Website         Weblinars         Phone         Phone <td< th=""></td<> |
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### How to Use Feature Matching

Identify apps with features required for student/client

Use Jane Farrall's Apps for AAC List http://janefarrall.com/aacappslist.html

AAC Tech Connect-AAC Apps Assistant <a href="http://mits.cenmi.org/">http://mits.cenmi.org/</a>

## App Comparison

| LAMP Words for Life -                                                  | Proloquo2Go                                                                                     | Sono Flex<br>Download PDF Flyer<br>Comment                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>\$299.99</u> <u>Preview on</u> <u>ITunes</u>                        | S189.99 Preview on<br>ITunes     A comments                                                     | SonoFlex     SonoFlex     Drev     On     ITunes     Prev     On     ITun     Prev     Lite     On     ITun     Prev     On     ITun     Prev     On     ITun     Prev     On     ITun     Tun     Prev     Android     Prev     On     ITun     Tun     Prev     Android     Prev     On     ITun     Prev     On     ITun |
| IPad or IPad mini<br>IOS 5.0 or later<br>Version 1.0.7 updated 4.11.13 | iPod Touch<br>iPad or iPad mini<br>iPhone<br>iOS 4.2 or later<br>Version 2.3<br>Updated 1.30.13 | iPod Touch<br>iPad or iPad mini<br>iPhone<br>iOS 4.0 or later<br>Version 1.1.3 (updated 10.11.1                                                                                                                                                                                                                             |
| Alphabet for spelling                                                  | Pictures only (digital or icons)                                                                | Alphabet for spelling                                                                                                                                                                                                                                                                                                       |
| Pictures with labels<br>Digital photos                                 | Alphabet for spelling<br>Words only                                                             | Pictures with labels                                                                                                                                                                                                                                                                                                        |

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#### Trial!

- Borrow, beg and steal!
- Not really, just do your research.
- Read blogs or check out the ultimate resource.....



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#### Your Turn!

- Let's apply Jessica Gosnell's Feature Matching Chart to AAC aaps.
- GoTalkNow
- SonoFlex
- Proloquo2Go
- MyTalk



#### Resources

- "App Feature Matching: An Essential Step!", <u>http://www.spectronicsinoz.com</u>, Katie Lyon, October 2012
- Assessing Student's Needs for Assistive Technology, Introduction to Chapter 3 - Assistive Technology for Communication, Gary D. Cumley, Ph.D., CCC-SLP University of Wisconsin-Stevens Point
- "Augmentative Alternative Communication (AAC) iDevice Apps and Visual Supports", Glenda's Assitive Technology Information and more...<u>atclassroom.blogspot.com</u>
- "Using a Clinical Approach to Answer "What Communication Apps Should We Use" Gosnell, Costello & Shane, ASHA Perspectives, July, 2011
- "What is the Best AAC App Out There?", Speechie Apps Aubrey Taylor Klingensmith, <u>http://speechieapps.com/category/aac/</u>, October 2012