AAC IMPLEMENTATION

Keeping it simple and effective!

Presented by: Gretchen Storm MS, CCC-SLP

Introduction!

Agenda

- •Types of AAC Users
- Considerations
- Modeling to Teach
- AAC Goals
- •Tools Available for Implementation
- ·Coaching/Cuing (parent/teacher/paraprofessional coaching)

AAC Users

- Verbal
- Partially Verbal
- Non-verbal
- •Typical Motor Coordination
- Complex Motor Coordination
- •In-tact Vision
- Vision Deficits
- •Word Finding Challenges

Considerations

- Access Method
- Device Vocab
 What are we looking for in a vocabulary?
 Growth?
 Word prediction?
 Keyboard?
 Symbol type
 Layout?
- Tools within the device available
- Resources
 Websites for sharing information

 - Downloadable files
 Activities available within the device to teach

What is the difference between the options?

Access
• Direct Select (with extremity)

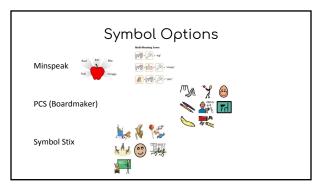


• Eye Gaze



· Switch Scanning





Current Device and App Companies

Device Companies Prentke Romich Company (PRC) Tobii Dynavox Soltillo FRS Solutions

App Companies (with robust vocabulary options) TouchChat LAMP

CoughDrop ProLoQuo2Go GoTalkNow Speak for Yourself

Devices on the Market! Company: Saltillo

NovaChat

- Android based
- Symbol Sets
- Symbol Stix and/or PCS Symbols
- Option for LAMP (Minspeak vocab)
- Core Vocabularies
- · Vocabs from 15 buttons per page to 120 buttons per page Screen Sizes
- 5 inches to 12 inches
- Keyguard Options
 - hinged (comes with a set for several vocabs)
 - fixed (comes with one customized keyguard)
- Switch Scanning Options

www.saltillo.com

Cool Features**
 Eye FX and Look 2
 Learn Eye Gaze
 Learning Programs

ALL Literacy

Program Environmental Controls

Cool Features

• Phonics Keyboard

• Visual Scenes

• Home/School News

Literacy Pages

• Siri and Alexa

Pages

Devices on the Market!

Accent

- · Tablet Based
- Symbol Sets
- Minspeak Core Vocabularies
- PreStored Vocabs from
- Screen Sizes
- · 8 inches to 12 inches
- Keyguards
- Keyguard or Touch Guide
- Switch Scanning Options

www.prentrom.co



- Phonics Keyboard
 Visual Scenes
 Literacy Pages
- Can plug in to the computer and type directly into a Word Document

Devices on the Market! Company: Tobii Dynavox www.tobiidynavox.com

Eye Gaze Device

- · Windows Based
- Symbol Sets
 Symbol Stix and/or PCS Symbols
 Core Vocabularies
- Vocabs Types

 - Snap Scene
 Snap + Core First
 - Communicator • Grid 3
- Screen Sizes
- I-12 (12 inches) or I-15 (15 inches)
 No Keyguard Option
- Switch Scanning Options



Devices on the Market! Company: Forbes AAC

ProSlate

- iPad Based
- Pick your app
 Consider: TouchChat or LAMP
 Core Vocabularies
- · Depending on the app chosen
- Screen Sizes
 ProSlate 8 (8 inches) OR ProSlate 10 (10 inches)
- Keyguard Options
 Only for specific apps and only magnetic
- Switch Scanning Options
 Only with specific apps
 TouchChat and GoTalk apps scan well

www.forbesagc.com



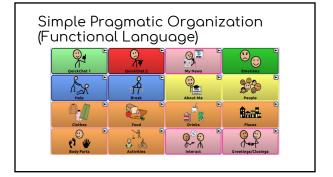


Detachable Detachable
Microphone (can
be worn around
the neck)

Specify NOT
fixed in report

What is the difference between the vocabulary options?

- Vocabulary
- Simple Pragmatic Organization (Functional Language)
- Grammatical and Noun Categorical Organization
- Context Based Messaging (Visual Scenes or Grids)
- Single Message Core VocabularyMulti-Meaning Core Vocabulary
- These types of language representation systems have research supporting their efficacy as tools to assist non-verbal communicators in developing and using language. Robust vocabulary systems will often contain more than one type.



Grammatical and Noun Categorical Organization



Context Based Messaging (Visual Scenes or Grids)

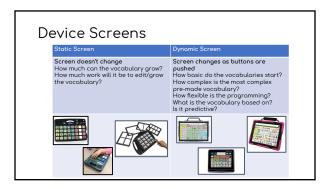


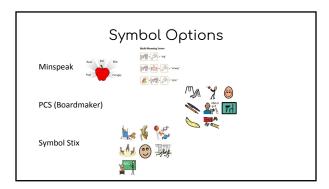
Single Message Core Vocabulary



Multi-Meaning Core Vocabulary







Devices on the Market! Company: Saltillo

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- **Cool Features**

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What is Core Vocabulary?
•Messages and words that are frequently used by many individuals across many contexts. This vocabulary typically consists of "functor" words such as "is, was, he, she" and common nouns and primary verbs (e.g. person, like, want). (Beukelman & Mirenda, 1992)



Classes of Words – CORE vocabulary

- VERBS:
 Go, get, do, want, like, make, play, stop
- ADJECTIVES:
 Big, little, red, funny, wet, dry,
 PREPOSITONS:
 Under, over, on, off, in, out

- PRONOUNS:
 I, my, you, yourself, his, her, she, it
 INTERJECTIONS:
 Yes, no, please, all done, cool, hey
- QUESTION WORDS:
 What, where, when, why
- ADVERBS
 Here, there, always, never, not

What class of words is missing?

NOUNS

Fringe Vocabulary

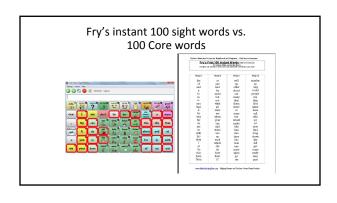
- More specific than core vocabulary
- May be different for different people
- Mostly nouns



Core Vocabulary and AAC 3-Tier Model for Choosing Vocabulary is low and limited to specific Tier 2 humid mature language users Wet Hot Dry Cold Developed by Isabel Beck

CORE VOCABULARY – AAC Users

- Words that are the "lowest common denominator" of language
 - Rocket: big thing, fire under, go up fast, go far
 - Volcano: hot come out, hot mountain
- Core words are words that can be used in multiple situations
 - Playdoh/ legos/ iPads/stories/academics/social



Resources Available

- Word Finder
- Plug in to type directly into Word
- Data Logging
- Phonics Keyboard
- Sharing
 Vocab Files
 Things Said
- Websites for sharing files
- Ability to write with the symbols on the device
- Support reps
- Etc.

Modeling



What do we need to remember about modeling?

- It's similar to learning verbal language
 I think of it as typical language therapy with visuals to point to as I go.
- 2. Make it as natural as possible
 - Incorporate activities that are already being done at home or in the classroom
- 3. You owe it to the user to be one step ahead of them on their
 - If needed, take time to practice on their talker outside of therapy sessions to ideally be able to expand on their language just as you would for someone who is verbal!

How is modeling typically viewed?

"Make sure the student uses the talker ____ times per day."

"Use your talker!"

"Touch ____."

"Make sure to show the student what to touch so they can make the sentence on their talker."

Meghan Conover's Adaptation (Colorado Consultant for Saltillo)













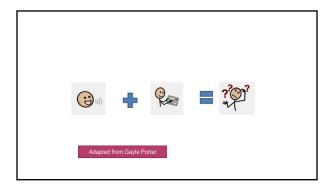








WHAT HAPPENS WHEN YOUR LANGUAGES DON'T MATCH?



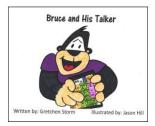
What can we do?

Model - Teach others to use the device Don't expect that they know it!

Considerations

- · Can't model if you don't know the device
- •Encourage everyone to use "Word Finder"
- •Teach vocabulary location through shared reading and structured errorless activities
- Doesn't matter the symbol set but have to specifically teach icon location in each device

Bruce and His talker



Modeling without expectation: talking to a student without expecting them to answer.

- Self-Talk
 - Example: Talk to your self saying things like "get out", "make it hot", "wash it", "put it away", etc. while in the kitchen.
- Push buttons to mirror verbal speech when talking to the user and when talking to others in the user's presence.
- Use low tech visuals with sentence strips to model communication with symbols in other ways than on the speech generating device.
- *Check out Saltillo's website at <u>www.Saltillo.com</u> for a pre-made core-board!

Modeling without expectation...

https://www.youtube.com/watch?v=XBROVLF1Clo

Modeling without Expectation

- •Notice during the video, the child doesn't use his device at all.
- Notice the focus is on playing with goop and being with his mom not on the talker.
- ${}^{\bullet}\text{The talker}$ becomes less of a demand and more just part of the play communication.
- •Thoughts?



Self-Talk

• Use the communication device to self talk and comment on what other students are doing.









So what happens...

- Users don't learn the parallel between verbal communication and communication using a device.
- Users will likely not use a communication device if no one else is using one.
- If a user is asked to "say it on their talker" it is placing an extra demand on their already demanding communication situation.
- •The user will become frustrated if we ask them to repeat what was already communicated (signed, gestured, spoken), again on their communication device.



Attribute meaning to AAC use... Attribute Meaning to AAC · www.aacintervention.com Give Me Bones, and I'll Make Soup! WHY ATTRIBUTE MEANING? We do this naturally with students who are developing speech. If we attribute meaning for people who are learning AAC: - it sends a message of competitions or brivases mean in that context - We can help students learn what words or privases mean in that context - We concurage students to use the MAC systems! **We difficulty success to the two critics produced by the Month of Support of YATTRIBUTION (MANUAL PRODUCTION OF SUPPORT OF SUPPORT

Dr. Caroline Ramsey Musselwhite Tip # 2, 2018

Attributing Meaning continued...

Context	Student Says	Partner Attributes Meaning!
Waiting for the bus	WANT GET	I think you WANT to GO home! Did you GET your backpack? Yes!
Doing art	CAN COME EAT	CAN I HELP you? Yes I CAN! We could ask Jacob to COME LOOK! COME LOOK Jacob! NOT quite time to EAT yet. And we can't EAT THAT paint!
Reading a book	PUT DO ALL	Oh, should I PUT THAT in writing? WHAT are they DOing? Let's read MORE Yep. We have to read ALL of this!
Science Experiment	GO DIFFERENT MAKE	We should GO ahead and PUT it IN? Right. This might be DIFFERENT! Yeah. WHAT are we going to MAKE?

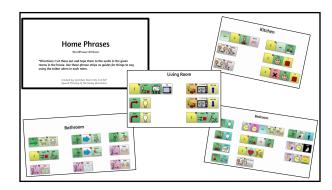
Shift our thinking...

• Start thinking about how you will prompt others to communicate using visuals not just the user. Use low tech visuals as a reminder/guide.









Use symbol pathways to prompt others with where to start.

When PLAYING WITH a peer, here are some things I can say:

90 22 9.9 4.8 ... 1 a 📺

99 7 When REFUSING something, here are some

99 0

9000



When GREETING others, here are some things I can say:

99 6

20 W

9.9 0

9090

9 9 ---

9 9 2 9 9 0 0 X =0



- Read a book while sitting next to the user and use the talker to mention adjectives and verbs as you read. Then close the book and use the communication device to recall.
- •To make this really easy take icon sequences and actually tape them into the book.

Implementation Tools

- Core Boards
- Icon Books

Core Board



Classroom core boards – low tech option



Core board with a few add ons...

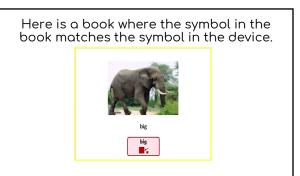


Use Peers

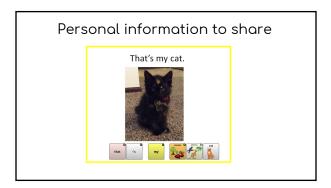
- Peers are amazing tools.
- •Consider having peers sit down and read to the student using the student's talker.
 - Can use premade books for this.
 - Consider reading the "Bruce" book. It opens up nice conversation for classmates.
 - Set morning routine questions.

Pre-Made Icon Sequence Books

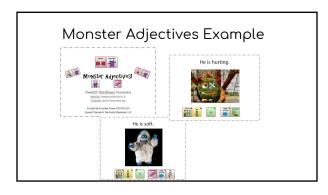
Teach core vocabulary locations in the communication device while also doing shared reading!











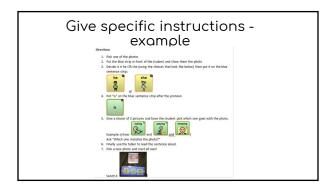
Move into activities which don't always include the exact pathway.

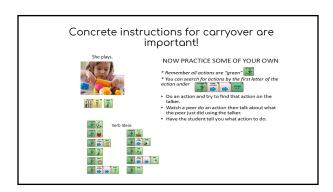
Where do you go from here?

Structured Errorless Activities

- Phrase boards to use with activities in the classroom
- · Question boards with icon sequences
- Games/Activities with specified phrases

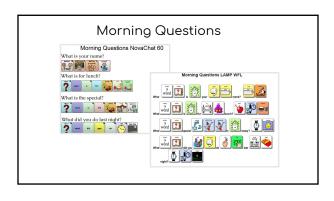


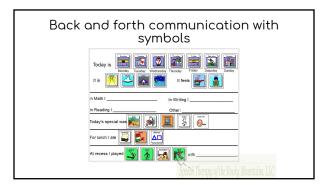




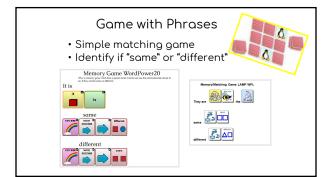
Question Boards with Icon Sequences

- Develop question boards with the icon sequences
- I like to start with morning routine type questions and expand from there
 What is for lunch? What did you do last night? What special do we have today.
- Encourage peers to do this with the student
- Teach peers to gesture prompt if needed and then also to answer the questions using the communication device

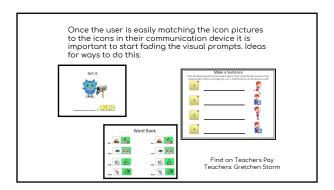




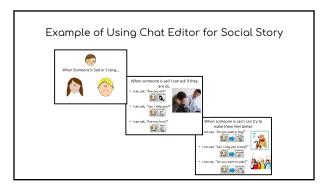










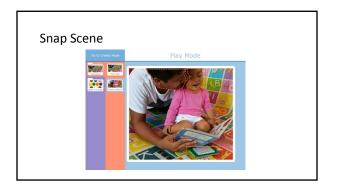




Writing Using High Tech AAC Can also upload pictures taken on the communication device and make conversational topics with them.

• Visual scenes:

• Can then look like this to promote diverse conversation topics.





Writing with the talker

- •Use phonics keyboard to sound out words
- \cdot Use the copy/paste feature to make own buttons
- Have student use talker to talk about a picture or video and scribe for them.



Time to Expand!

- See the talker as a tool that can be used to provide visuals throughout Olivia's day.
 - Example of how to do this during shared reading in class.
 - Choices for writing topics and expansion on writing.
 - Writing.
 - *Magazine example video



Fossil Museum Field Trip

Goal Writing

- •Utilize information from
 - The QUAD Profile
 - https://speechdudes.wordpress.com/2015/05/21/the-quad-profile-a-quick-and-simple-language-evaluation-tool/
 Communication Matrix

 - www.communicationmatrix.org
 - Functional Communication Assessment
 - Linguisystems • AAC Profile
 - Linguisystems

Goal Writing Resources Online

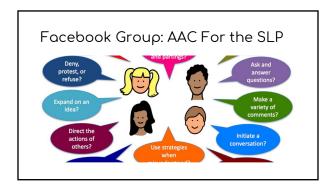
- http://praacticalaac.org/toolbox/
 - Go to "Therapy"
 - Select "PrAACtical Goals that Matter Draft 1"
- www.aaclanguagelab.com
 - Go to "Resources"
 - "Language Reference Charts"
- https://www.tobiidynavox.com
 - Go to "Support & Training"
 - "Resources"

MORE Resources

School Resource:







AAC Intervention Website

•http://www.aacintervention.com

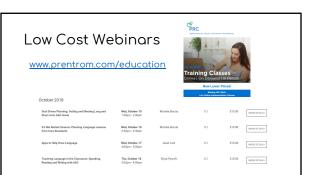


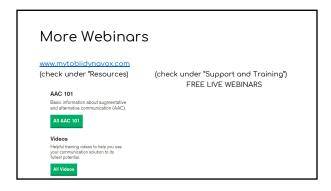
Free 1 Hour Webinars

www.saltillo.com

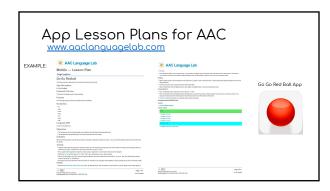
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- Guest Webinars











Speech Therapy of the Rocky Mountains, LLC

www.stormspeechtherapy.com

www.stormspeechtherapy.com

welcome to S.T.O.R.M. Speech Therapy:

welcome to S.T.O.R.M. Speech Therap

Questions?

Thank you for coming!

Don't hesitate to contact me with questions:
Gretchen Storm MS, CCC-SLP
Speech Therapy of the Rocky Mountains, LLC
Implementation resources available on my website:
www.stormspeechtherapy.com

References (n.d.) Retrieved October 2, 2018, from https://communicationmatrix.org/ N. Ind.) AAC Continuum - resealingsgreateles-. Retrieved October 40, 2018, from https://communication.resealingsgreateles-. Retrieved October 40, 2018, from https://communication.resealingsgreateles-presentes-by-researce-sealingsgreateles-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-presentes-pre