# Augmentative Communication Implementation



Presented by Lily Nalty, MA, CCC-SLP TECS, TA Specialist CDR, USC School of Medicine

Adapted from:
Carol A. Page, PhD, CCC–SLP, ATP, SC Assistive
Technology Program, CDR, USC School of Medicine
With special thanks to:
Stacy Springer, MS, OTR/L, ATP
AT Specialist, SC Dept. of Ed.

# Did you know that AAC can...

- Expand expressive language (e.g., vocabulary, syntax, sentence length)
- Improve receptive language
- Provide a means for communicating a variety of communicative intents
- Allow communication that is multi-modality
- Provide a framework for learning through interaction/play and active participation
- Provide a means for self-talk and cognitive processing
- Facilitate speech

Adapted from Linda Burkhart www.lburkhart.com



# Did you know that AAC can...

- Make language visual & more concrete
- Improve social interaction
- Be a method for communicating, indefinitely or short-term
- Reduce frustration and behavior problems
- Provide support for other emergent skills (i.e. literacy, math)
- Assist children learning a second language
- Improve self concept, self esteem, self

competence

Adapted from Linda Burkhart www.lburkhart.com



Not just for one child – AAC supports can be used with all children, with and without special needs

# A closer look at communication...



- Communication is not just speech
- Communication involves: messages that are exchanged between individuals through language, that help them take part in everyday activities and function in society
  - a common system of symbols, signs, or behaviors (e.g., verbal words, signs, gestures, picture symbols, etc.)
- Don't overemphasize speech or any other symbol system at the expense of communication. 90% of communication is nonverbal (Evans et al., 2003)

## Common Characteristics of AAC Communicators

- Passive communicators
- Initiate few interactions
- Respond infrequently



- Produce limited number of communication functions or intents
- Use restricted language forms
- May not use their system!

# Factors of Success for Beginning AAC Communicators, and Partners...

Motivation of AAC User To Pursue Task Motivated to use messages, activity, with partners we've selected?

> Success or Failure of AAC Use

Physical Effort + Cognitive Effort + Time Load + Linguistic (Language) Effort

Is the system matched to child's language ability, physical ability.../

# Factors of Success for Beginning AAC Communicators

- Did you know....The typically developing child will have been exposed to oral language for approximately 4,380 waking hours by the time he begins speaking at about 18 months of age. If someone is using a different symbol set and only has exposure to it with the speech pathologist two times a week for 20–30 minutes each time, it will take the alternate symbol user 84 years to begin communicating!
- A very important factor is exposure/practice.
- It's important to have experience with communication symbols in a symbol rich/print rich environment- along with speech.
- Expect what is developmentally appropriate! Do what is developmentally appropriate!

# Factors of Success for Beginning AAC Communicators

- Did you know....The typically developing child will demonstrate language competency around 9–12 years of age having been immersed in and practicing oral language for approximately 36,500 waking hours. For 9–12 years that child has been using and receiving corrective feedback while practicing with the spoken word. If only the Speech Pathologist works with a child twice a week for 20–30 minutes each time, it will take the alternate symbol user 701 years to have the same commensurate experience with his symbols!
- Don't expect automatic use of alternate systems language and communication develop over time, with everyone's help. There's a lot to learn...

# What's more important:

# AAC device or communication?

Do any of you get stuck on the device before you immerse the child in communication?



# Maggie, 2yrs old



- Vocalizes
- Points to and looks at what she wants
- Loves to interact with her 3 yr old brother
- Likes looking at books, playing with baby doll, eating snacks
- Refuses to use picture symbols that she was given

# What do you do?

Vocalizes Points to and looks at what she wants Loves to interact with her 3 yr old brother Likes looking at books, playing with baby doll, give another Refuses to use picture symbols

#### What questions would you ask - no right or wrong a

**Potential Questions to ask:** 

- Is the activity motivating/?
   Are the messages motivating?
   Is the partner motivating?
   Are partners using the system?
   Are messages at her language level (single words)?
   Are symbols at her symbol level?
   Are there too many messages?
   Are you sure about vision/motor/other
- 6. —— sensory abilities?

2.

3.

4.

5.

7.

8

- •What teaching strategies are you using
- (e.g., following lead, imitation,
- reinforcement, shaping with choices, incidental teaching)?



# Recap For Successful AAC:



- Focus on communication not the technology
- Use multiple systems and multiple modalities of communication
- Target participation and active learning
- Learn language through natural immersion in language and in everyday activities
- Find a balance if multiple challenges are present
- Motivation is key!
- Everyone has to play a part. Everyone uses the system. AAC implementation should be an on-going, dynamic team process

Adapted from Linda Burkhart www.lburkhart.com

# What do we do? Tips for Choosing Vocabulary

- Choose highly-motivating vocabulary, especially when AAC is first introduced. This includes favorite games, hobbies, food, friends, music, and other activities.
  Bubbles or math? You or Mom? On Mom's
- Use of the vocabulary should provide a big pay off.
- Choose vocabulary beyond choice making.
   "Do you want bubbles or blocks?" If "bubbles" is chosen, provide other communicative intents-- for the child to comment (yuckky, yeah, oh no), express a turn (my turn), direct (stop, blow + up, blow + on the fan), and more
- Vocabulary should indicate that it is the child talking and not the adult. Include peer vocabulary.

hand or foot?

- Avoid choosing messages that can be communicated in other ways (e.g., may gesture or vocalize "yes" and "no"), especially true for beginning AAC users
- Avoid messages about functions the child has not mastered (i.e., "bathroom")
- Change messages as the child's needs, interests, and activities change



Communicating with Daddy

The messages or vocabulary we pick can make or break use of an AAC system (Page, 2010). I, My, that, like, turn

Grammy, cookie, red

### •Core and Personal/Fringe Vocabulary:

- <u>Core</u> -- a few hundred words that make
  - up approximately 80% of what a person says
    - Generally consistent across people, ages, environments, activities
- <u>Personal/Fringe</u> -- generally specific to particular environments, activities, or people

Be sure to include both core & personal/fringe vocabulary for fastest communication

With the right words, we can communicate in many different activities...

### Include Quick Messages

#### Communication Intents:

- I want something
- Something's wrong
- I'll tell you what I think
   (or I like and I don't like)
- It's time for something
- Let's chat
- I'm asking a question
- Let's pretend
- I have an idea
- L'm telling you a story

- Core Vocabulary:
  - more
  - done
  - different
  - me, mine, my turn
  - you, yours, your turn
  - someone else
  - hurry
  - uh oh!
  - help

Linda Burkhart

(Anderson & Baker, 2004)

### Use single-word messages whenever possible

- They allow for generative language and utterance expansion. It promotes learning word order (syntax).
- For the beginner, it lets you highlight key words.





With the right words, we can say a lot...



- Many reasons to use single-word messages:
  - Allows more flexibility than sentence messages
  - Is easier overall than communicating through sentence messages
  - Can be used across environments more easily (reuseable)
  - Facilitates language acquisition -- single-word messages are combined to make multi-word messages

# **Active Participation**

- Children with significant challenges who become passive learners may have difficulty communicating, interacting and/or understanding what is going on around them using current systems
- Providing opportunities for control  $\sqrt{Choice}$  making  $\sqrt{\text{Setting up the environment}}$ for motivation and success  $\sqrt{Making situations fun (e.g., sabotage)}$ Child-directed activities. Following child's lead



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# Opportunities for Active Participation

# Communication Activities/Games - Carpet Play Square



# Choice-Making



Too many choices, so little time.....

- Empowers the child. Helps him feel in control.
- Three basic set-ups:
  - Two favorite things.
  - One favorite thing and one least favorite.
  - One favorite thing with recorded voice message and one blank voice message.

# **Topics for Choice-Making**

- Foods and Drinks
- Toy Choices



- Activity Choices (games, computer, swimming)
- Places (stores, restaurants, library, playground)
- Material Choices (crayons, paper, utensils)
- Clothing and Shoes (colors, clothing items)
- Actions (go, stop, come, eat, drink, sleep)
- People
- Feelings (happy, sad, angry, like, don't like)
- Songs



# **Errorless Choice-Making**



All children can participate in the song...

"This is the way we wash our\_\_\_\_

"

# So many choices....



- Provide choices that matter
  - Who (to sit next to, take turn)
  - What (song lines)
  - When (order of events)
  - Where (to put things, places)
  - How (to sing fast/slow; loud/soft)
  - Order of events (books, songs)

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# Choice-Making using Labels as Symbols

### Choice Board on Mat Board Using Product Labels



# **Expand Beyond Choice Making**

- Communication is not just 'choice making'
- 'COMMUNICATION' means that we don't already know what the person wants to say
- Some children are most interested in the social process, not the message



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# Some Communication Strategies To Use

- Encourage Partners to:
  - Model AAC use.
  - Give choices.



- Provide an "expectant" delay and wait.
- Ask open-ended "wh" questions.
- Provide brief prompts to the AAC user.
- Use a "least-to-most" prompting hierarchy.
- Provide communication opportunities for the child throughout the day. No drills.

# **Effective Communication Partners**

- Encourage Partners to:
  - Ask permission to anticipate/finish the individual's message.
  - Interact at eye level.



- Pay close attention to facial expressions, body posture, and gestures.
- If you don't understand, admit it.
- Repeat and confirm messages.
- Promote peer interactions. Try a "buddy" system.

### Recap & More Strategies to Try...



- Ensure adequate positioning, lighting, loudness, and access to vocabulary symbols.
- Arrange environment to create motivating communication opportunities
  - omitting a step or using the wrong item, placing something out of reach, choosing



- Everyone uses the system. Interactively model the use of AAC (Beukelman & Garrett, 1988; Goossens', Crain, & Elder, 1992; Musselwhite & St. Louis, 1982).
  - Parents and peers can be great models.
  - Vocabulary and sentence structures not yet expressed by students should by modeled by the communication partners "... just beyond the current productions of the child, although within the child's receptive capabilities" (Light, 1997, p. 168).

### Aided Language Stimulation



Model by highlighting key words:

Communication partner highlights (points to, shines a flashlight beam on) symbols on the child's communication system while talking to the child.

Example: Point to pictures of "put," "pudding," "in," and "bowl" while saying "Put the pudding mix in the bowl."

Goossens', 1989, Goossens' and Crain, 1986a, 1986b

# **Facilitating Strategies**



### Provide prompts

- Hand over hand, demonstration, gesture, nudge/touch
- Use least intrusive prompt possible
- Fade as quickly as possible
- Follow communication behavior with a consequence. Respond to and reinforce a child's many ways of communicating.



# Voice output can also be a motivator

### Low Tech Voice Output





#### **Big Mack by AbleNet**

### Chipper by Adaptivation



### Partner/Plus by AMDi

## Low Tech Voice Output



### Partner Plus/Stepper by AMDi



### Little Step-by-Step by AbleNet



- "color, cut, paste"-Pledge of Allegiance

**Sequencer by Adaptivation** 

Single Message, Sequential Messages, and Randomized Messages Voice Output

- Use single message devices to help children actively take part in activities, interact with others, follow directions, and more.
- Remember to use them along with other options (such as multiple message overlays) to allow children to participate <u>and</u> spontaneously communicate.
## Low-Tech Communication Aids



# Low–Tech Communication Aids Add Communication Symbols to Play Toys





## Mid-Tech Voice Output



### **Tech Speak by Saltillo**



Communication Builder by Enabling Devices, Inc.



SuperTalker by AbleNet

## High Tech Voice Output Communication Aids



Proloquo2go Software for iPod Touch or iPhone Touch By Origin Instruments Corporation http://www.orin.com/access/Proloquo2Go/

# Low Cost AT Solutions: Communicating with Text



www.setbc.org/pictureset/resources/letter\_boards/letter\_board.pdf

# **Implementation Plan**

Decide:

- which <u>motivating activity(ies) & messages</u> with which to start.
- which <u>symbols</u>, sizes of symbol, placement, no. of symbols, dynamic vs. static screens..., the child likes and uses best now, & which the team prefers and can program/use now.
- which <u>settings</u>, with who.

What else can we use this checklist for?-ANSWER: assessment, troubleshooting, ....

# **Implementation Plan**

- which <u>teaching strategies</u> you will use. Plan to emphasize natural language teaching within ongoing activities & interactions. Use a hierarchy of prompts to teach as needed. Add texture, use "visual highlighting," make tasks funny/silly by omitting steps, pause, place favorite items out of reach, etc.
- which motor movements are easiest now (specify direct selection vs. scanning to access the system). Consider fatigability. Don't worry about refining motor access right away. Address positioning & stability of materials.

Reflect these items in your treatment objectives.

## Failure v. Success for AAC Device Users

| We are leaving the device behind<br>because                             | We are definitely taking the device along<br>with us because                                                                   |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| There's a vague chance it might get rained on.                          | You are a grown-up and grown-ups talk for<br>themselves.                                                                       |
| We are going to eat and you might spill on it.                          | I am not your mother and I won't talk for you.                                                                                 |
| We are going to get a drink and you might spill or drool on it.         | You need to order for yourself at the restaurant.                                                                              |
| It might get lost or stolen.                                            | People treat you with more respect when you talk for yourself.                                                                 |
| It might get broken on the van.                                         | It was made to be carried around and can be fixed if something goes wrong.                                                     |
| It's too much trouble to carry around.                                  | You are going to meet new people who you<br>can talk to by yourself.                                                           |
| The battery might run down if we take it.                               | You will need it to get what you want.<br>Without it, you are going to do without.                                             |
| We don't want you talking to strangers.                                 | We don't know what you might need to say,<br>but we know you will have chances to talk.                                        |
| Someone might steal it.                                                 | People treat you the way you expect to be<br>treated. And you expect to be treated as<br>well as a person who can communicate. |
| We might leave it behind.<br>I know what you need to say and I can talk | It's too important to be left behind.<br>I can't read your mind.                                                               |
| for you.                                                                | r oan croad your mind.                                                                                                         |

### Prentke Romich, 2000

## **Evaluate Effectiveness of AAC Use**

| Cushy Indicators for<br>Assistive Technology<br>Services Plan for Evaluation of Effectiveness of AT Use                                                                     |                                                  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--|--|--|
| Student's name:       Grade:         School/agency:       Team members pres                                                                                                 | Date:                                            |  |  |  |
| The intent of this document is to guide planning about how to<br>Completion of this document will help the team to create a so<br>IEP Goal:                                 | hared vision of the process for data collection. |  |  |  |
| data) on this goal?                                                                                                                                                         | Describe:                                        |  |  |  |
| Step 2: What changes are expected as a result of implementation? (e.g. Student will be able to)                                                                             |                                                  |  |  |  |
| Step 3: What aspects will change?         quality       independence         quantity/productivity       spontaneity         frequency       duration         participation | Describe:                                        |  |  |  |
| Step 4: What obstacles may inhibit success?                                                                                                                                 | Describe:                                        |  |  |  |

### http://natri.uky.edu/assoc\_projects/qiat/documents.html

# A Few Website Resources to Try

- www.aacinstitute.org
- www.Lburkhart.com
- www.dynavoxtech.com/training/toolkit
- www.Do2Learn.com
- www.wati.org
- www.trainland.tripod.com/pecs.htm
- www.aacintervention.com
- <u>http://aac.unl.edu/yaack/index.html</u>
- <u>http://atto.buffalo.edu/registered/ATBasics/Populations</u> <u>/aac/index.php</u>





South Carolina Assistive Technology Program (SCATP)

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### South Carolina Assistive Technology Program

Home AT Resource Center Online AT Exchange Trainings About Us

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### Welcome to SCATP!

The South Carolina Assistive Technology Program (SCATP) is a federally funded program concerned with getting technology into the hands of people with disabilities so that they might live, work, learn and be a more independent part of the community. As part of a national network of technology-related assistance programs, our goal is to enhance independence, productivity and quality of life for all South Carolinians through access to assistive technology devices and services. We provide an equipment loan and demonstration program, an on-line equipment exchange program, training, technical assistance, publications, an interactive CDROM (SC Curriculum Access through AT), an information listserv and work with various state committees that affect AT acquisition and IT accessibility. We link people with technology and work with consumers, service providers, state agencies and policy makers. Our 2009 Program Summary is on-line.

### AT EXPO 2010!

| SCATP Resources                              | AT and                              | What's New?                               |
|----------------------------------------------|-------------------------------------|-------------------------------------------|
| Staff                                        | Education                           | SC AT Online Exchange                     |
| Resource Center                              | <ul> <li>Communication</li> </ul>   | <ul> <li>Latest AT Innovations</li> </ul> |
| <ul> <li>Publications/Fact Sheets</li> </ul> | Transition from High School         | <ul> <li>SCDE AT Specialists</li> </ul>   |
| <ul> <li>Device Loans</li> </ul>             | <ul> <li>Computer Access</li> </ul> | <ul> <li>Success Stories</li> </ul>       |







<u>Web Links</u>

**Books and Products** 

<u>Search</u>

<u>Contact</u>

Info about PODD

(Pragmatically Organized Dynamic Displays) by Gayle Porter (Melbourne, Australia) <u>US Letter Size Version of PODD is NOW available</u>

Selected Upcoming Workshops and Presentations:

Multi-Modal Communication strategies for Children Who Have Complex Communication Needs - Introduction to PODD

| 🖉 DynaVox Mayer-Johnson   Training - AAC Implementation Toolkit - Windows Internet Explorer                                                                                                                                                                                                           |                  |          |
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| 🚱 🕤 👻 http://www.dynavoxtech.com/training/toolkit/                                                                                                                                                                                                                                                    | 🖌 🗲 🗙 Google     |          |
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| 😭 🏟 🌈 DynaVox Mayer-Johnson   Training - AAC Implementa                                                                                                                                                                                                                                               | 🟠 • 🗟 - 🖶 • 🔂 I  | Page 🕶 🌍 |
| <b>LEARNING PATHS</b><br>Our Learning Paths will present information on particular topics in pieces that are manageable<br>for time and content.                                                                                                                                                      | MY FAVORITES     | (        |
| <u>Teaching Vocabulary in InterAACT</u><br>How do you teach the vocabulary in InterAACT? These lesson/therapy plans contain activities<br>that will help you. Use them in 1:1 or group sessions as well as in classrooms. They can be<br>modified for individuals varying in age and language skills. | NEWEST RESOURCES | (        |
| AAC Myths Revealed<br>Beliefs about AAC exist among families, caregivers and professionals. Some are true, others                                                                                                                                                                                     |                  |          |

Opening the Box These resources are designed to assist you in "opening the box" to successful communication. Use these resources if you have just received your device or would like an orientation to the Series V. We will help you create a custom user based on age and communication ability, learn

#### **Communication Partner Techniques**

research that proves them to be inaccurate.

Communication partners and assistants play an important role in enhancing independence in communication and encouraging use of more complex language skills. The five techniques presented in these resources can be used to expand communication skills in AAC users of varying ages and communication abi...

are false. Our "AAC Myths Revealed" series discusses common myths about AAC and the

#### Autism and AAC

the language and ...

Individuals with autism have unique strengths and needs. The resources in this learning path reveal the role of AAC for individuals with autism in the areas of communication, socialization and behavior.

#### **Tools for AAC Users**

The handouts and worksheets in this learning path share ideas that will assist AAC users in



A historical perspective on AAC

### Where to get help

Contacting an organization for services and support

Organizations supporting children under three

Organizations supporting children three and older

Organizations supporting children and adults

Finding an AAC specialist

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| 🥟 Communication Needs: Overview - Windows Internet Explorer |                                                                                                                                                                                               |                        |  |  |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|--|
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| оттО <u>AT Ba</u>                                           | <u>sics Tutorials AT Decision Making Resources Project Info</u>                                                                                                                               |                        |  |  |
|                                                             | Communication Needs                                                                                                                                                                           |                        |  |  |
|                                                             | <u>Home</u> > <u>AT Basics</u> > Special Populations > Communication Needs ><br>Overview                                                                                                      |                        |  |  |
| Overview                                                    | Overview                                                                                                                                                                                      |                        |  |  |
| Where<br>to Begin                                           | Authors: Julie Maro and Lori Tufte                                                                                                                                                            |                        |  |  |
| Considering<br>AAC                                          | An introduction to augmentative and alternative communication (AAC) for students 5-10 years old is addressed in this module.                                                                  |                        |  |  |
| Vocabulary<br>Selection                                     | Designing quality programs for students who have AAC needs involves                                                                                                                           |                        |  |  |
| Vocabulary<br>Presentation                                  | engineering communication environments, organizing and training team<br>members, and developing appropriate lessons and materials. Strategies for<br>achieving these goals will be presented. |                        |  |  |
| Representing<br>Vocabulary                                  | acinoving alose goale will be provenied.                                                                                                                                                      |                        |  |  |
| Visual<br>Environments                                      | Philosophy                                                                                                                                                                                    |                        |  |  |
| Finding<br>Pictures                                         | <ul> <li>Using speech and language principles to develop appropriate goals<br/>and objectives for AAC students helps practitioners incorporate</li> </ul>                                     |                        |  |  |
| Ideas for<br>Students                                       | speech, semantics, syntax, and pragmatics objectives into their<br>lessons.<br>• Communication is a <u>process</u> .                                                                          |                        |  |  |
| Social Skills                                               | <ul> <li>A team approach is critical when assessing and teaching students<br/>how to use AAC systems.</li> </ul>                                                                              |                        |  |  |

# Implementation Resources

### AAC Language Lab

- 1.Language Lesson Plans
- 2.Teaching Materials Exchange
- 3.Teaching Resources in the Device
- 4. The Unity Curriculum
- 5.Language Partner
  - Resources
- 6.Teaching Resources RSS Feed

| AAC Language Lab <b>* PRC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |                                                                                                              |                                                                                                                                                                                                                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Stage Selection         Back to Teaching Resources for All Language Stages > Language Lesson Plans         Image: RSS           Stage 1         Lesson Plans for Stage 2         Image: RSS         Image: RSS |                                                            |                                                                                                              |                                                                                                                                                                                                                                |  |
| Stage 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lesson Title Description                                   |                                                                                                              | ription                                                                                                                                                                                                                        |  |
| Stage 3<br>Stage 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Building Phrases with Dynamic<br>Activity Rows             | learn to speak phrases by adding words from dynamic activity rows                                            |                                                                                                                                                                                                                                |  |
| Stage 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Directing Activities with Phrases;<br>Part 1               | learning to combine words to make two and three word phrases to direct favorite activities                   |                                                                                                                                                                                                                                |  |
| Stage 6<br>Stage Selection Help                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Customizing Activity Rows                                  | a technical programming lesson that shows how to add (or take away) word<br>choices in dynamic activity rows |                                                                                                                                                                                                                                |  |
| Quick Links                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Directing Activities with Phrases;<br>Part 2               | more about two and three word phras                                                                          | es to direct and request                                                                                                                                                                                                       |  |
| Devices and Unity Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Expressing Negatives                                       | The person will produce two word utterances to express negatives                                             |                                                                                                                                                                                                                                |  |
| Teaching Resources Language Lesson Plans Teaching Materials Exchange Teaching Resources in the Device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Stage 1<br>Talking with one<br>word at a time,<br>phrases. |                                                                                                              | Stage 5         Stage 6           Using         Using           sentences and         essentially           phrases with         correct           more grammar         grammar and           endences, syntax.         syntax |  |

http://www.aaclanguagelab.com/resour ces/lessonplans/2

# **Implementation Resources**

Acceleration Learning Implementation Toolkit

http://www.dynavoxtech.com/training/toolkit/



Resources:

- 1. Collection of video and print-based resources.
- 2. Provides resources for beginning communicators through the most experienced.
- 3. Appropriate to a variety of environments.
- 4. Downloadable print materials from handouts and worksheets to visual supports and datasheets.
- "Learning Paths" present information on particular topics in pieces that are manageable for time and content.

## For more information or to borrow AT equipment, contact the South Carolina Assistive Technology Program



# 800-915-4522 803-935-5263 www.sc.edu/scatp