

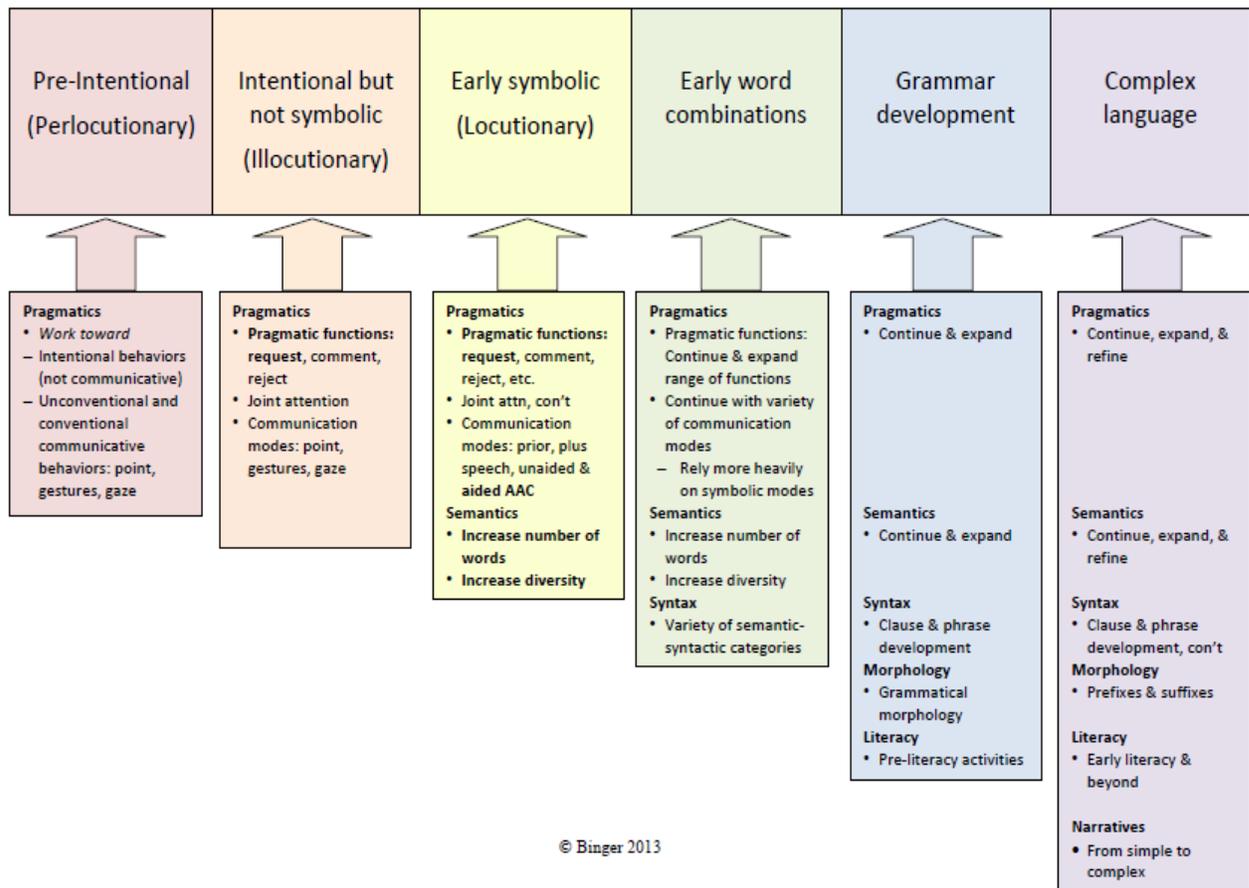
Life Before and After PECS: Reflections on Supports for Early Communication and Language

Cathy Binger's Handout

(Also, see handouts from Nancy Brady, Michelle Flippin, & Sherry Sancibrian)

Beyond PECS

Communication and Language Development: Broad Overview



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Developmental perspective

- Common issue when AAC is involved: Forgetting about normal development
- Normal developmental guidelines frequently are a highly appropriate starting point

Pragmatics

- PECS – especially in the early stages – is highly focused on requests
 - But children engage in other pragmatic functions from the very beginning of intentional communication
- Children use many pragmatic functions from the start
 - All of these appear by 24 months (Rowland, 1996)
 - Obtain
 - Request more/new action or objects
 - Refuse
 - Protest, refuse, reject

- Social
 - Request attention, show affection, greetings, offer/ share, direct other's attention
- Information
 - Confirm or negate, ask questions, label, comment (Rowland, 1996)
- **Lesson:** Include a range of pragmatic functions while – and after – working with PECS

Semantics

- PECS – especially in the early stages – emphasizes objects
 - But children use a wide variety of vocabulary from the very beginning of expressive symbolism
- Children use a wide range of vocabulary right from the start (Owens, 2005)
 - Objects
 - Names for objects only account for ~60% of a child's first 50 words
 - Actions
 - Give, go, hug, up
 - Modifiers
 - Mine, dirty, hot, big
 - Personal-social
 - Hi, bye-bye, please
 - Functional
 - This, that, here, there
- **Lesson:** Include a range of vocabulary while – and after – working with PECS

Syntax

- PECS has some focus on word combinations
 - But highly restrictive & rote forms: "I want X"
- Typically-developing children begin combining words when they have ~50 words expressively
- They use a variety of structures; e.g.,
 - Possessive-entity
 - Attribute-entity
 - Agent-action-object
 - Recurrence + X
 - Negation + X
 - Locatives
- **Lessons:** Start building additional early forms early on
 - Many children will surprise you
 - Do NOT hold them back from becoming true generative language learners!

Early Morphology

- PECS was never meant to tackle this part of language development
 - It's easy to forget how early in development this emerges
- Typically-developing children begin using a variety of morphemes & markers soon after they begin combining words; Remember Brown's morphemes?
 - in & on; a & the; progressive *-ing*; 3rd person singular *-s*, etc.

- **Lesson:** Remember that morpho-syntax is crucial to the language learning process
 - Way too often ignored for children who need AAC
 - We must MOVE BEYOND PECS & into more sophisticated language asap

Structure of Communication Solutions

- There are many possible ways to organize symbols
- Moving into grids asap can help
 - Alleviate the mess of having many symbols floating around
 - The child learn to structure & create sentences
- Possibilities
 - Event schema (“page-based”) communication boards
 - PODD (Pragmatic Organization Dynamic Display) from Gayle Porter
 - WordPower options (Nancy Inman)
 - Minspeak-based solutions (Prentke Romich; LAMP)
 - DynaVox software, Saltillo software, & many others
 - iPad apps such as GoTalk NOW, ProLoQuo2Go, & countless others
 - Feature-matching chart:
http://www.childrenshospital.org/~media/Centers%20and%20Services/Programs/A_E/Audiology/PDFofFeatureChart.ashx
- Move into more sophisticated ways as soon as possible!
 - You may be holding your students back by keeping them tied to individual symbols
 - It is VERY hard to rapidly expand vocabulary and build generative language with individual symbols
 - Remember the LANGUAGE in speech-language pathology
 - Life and learning are about far more than asking for goldfish

References

- PECS references (selected)
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- Communication Matrix-related websites
 - www.designtolearn.com
 - www.communicationmatrix.org
- Other references
 - Retherford, K., Schwartz, B., & Chapman, R. (1981) Semantic roles and residual grammatical categories in mother and child speech: Who tunes into whom? *J. of Child Lang, 8, 583-608.*