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- Role of the SLP in Early Reading
- Administration and Interpretation of the TILLS
- Lunch
- English Learners and Early Reading
- Linking Assessment to Intervention

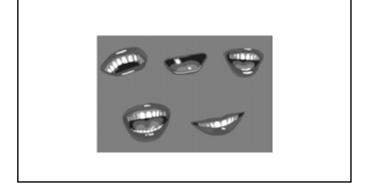
Role of SLP in	Early Reading
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Two Major Areas

➤ Oral language development

➤ Phonemic awareness

Oral Language In the Classroom

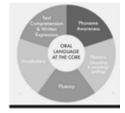


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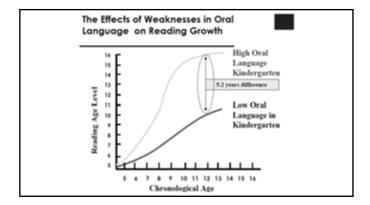
The Essential Components of Reading Phonics Vocabulary Fluence Comprehension	
Phonemic Comprehension Awareness	
	7

Oral Language at the Core



- "For children learning to read, comprehension can take advantage of skills they have been using in their oral language
- "Spoken language and reading have much in common. If the printed w o r ds can be efficiently recognized, comprehension of connected text depends heavily on the re a d e r's oral language abilities, among them."

(Snow, Burns, & Griffin, 1998)



Domains for Language

Semantics

• The meaning of words and combinations of words

Morphology

Rules that govern how morphemes are used.

Syntax

the rules that pertain to the ways in which words can be combined to form sentences in a language
 Understanding or Use of correct sentence structure

Dragmatics

- Understanding language in relation to social contexts
- Knowing What to Say, How to Say it and When to Say It

Dhanalaa

- Study of the speech sound (i.e., phoneme) system of a language, including the rules for combining and using
- Ability to Identify and Distinguish phonemes

Lang Arts Lang Arts - Retell familiar events & stories to include beginning, middle, end Lang Arts - Describe people, places, things, locations, & actions Soc Studies - Describe people, events, culture, maps - Describe work people do - Describe changes in size, weight, color, or movement

Oral language base for reading

- Proficiency in oral language provides children with a vital tool for thought
- Without fluent and structured oral language, children will find it very difficult to think (Jerome Bruner,1983).
- Oral language is often associated with vocabulary as the main component. However, in the broadest definition, oral language consists of phonology, grammar, morphology, vocabulary, discourse, pragmatics. And semantics (Fielding et al., 2007).

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- Grammatically correct oral expression of phrases & sentences
- Comprehension of syntactic structures
- Knowledge & expression of grammatical analogies
- Given syntactically different sentences, recognition of same or different meanings
- Judgment of and ability to correct sentence grammar

Language	Skil	lls to	Buil	ld

- Description
 - 。People
 - 。Place
 - _o Attributes
- Compare and Contrast
- Sequencing
- Retell
- Identification/Labeling

Building Descriptive Skills

Relationships and Descriptive Skills to Build:

- Descriptions of single objects
- Description of categories
 Objects related to topic

- Things we see at school
 People related to topic

 People related to topic
 - People that we see at school
- Related objects by categories
- Types of Fruit
 Parts or objects related to topic by attributes
- Name things that are long
 Similar objects
- Things we can use to brush our hair

Describing C)bie	cts
--------------	------	-----

- Start with a single object
- Ask the following questions:

- What is the name of the object?
 What object?
 What do you do with it?
 Who might use object?
 Where might find this object? Where go to buy or find?
 What does it look like?
- · Define size, color, shape, texture, taste, etc.
- What category does it go into?
 Is is a fruit?
 Is is a toy?
- Wrap up description by using a sentence with the descriptions, functions and attributes of the object.

This is an orange. It is round, orange in color, a piece of fruit and something that we eat.

Start to introduce how it's different from another object in the category in the wrap up.
 This is an orange. It is round, orange, a fruit, and something we eat. It is different from apple because of it's shape and taste.

-		/ ~	
Recentive	Language,	/ (omnre	hension
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What is it?

• Refers to the understanding of the implications and explicit meanings of words and sentences of spoken language

Impact on Academics

- following directions
- · learning vocabulary,
- understanding instruction
- reading comprehensionmain ideas, details, paraphrasing
- difficulty retaining concepts

Oral Expression Difficulty Characteristics

Difficulty with grammatical processes of inflection, marking categories like person, tense, and case(e.g. the "s" in jumps marks the third-person singular in the present tense), and derivation, the formation of new words from existing words (e.g., acceptable from accept)

Learning vocabulary

Difficulty formulating complete, semantically and grammatically correct sentences either spoken or written

Difficulty explaining word associations, antonyms/synonyms

Difficulty with retelling, making inferences, and predictions

Expressive Language (Oral Expression)

What is it?

•Oral expression pertains to the use of words and includes the ability to formulate and produce words and sentences with appropriate vocabulary, grammar, semantics, and application of conversational rules

Impact of Academics

- May limit the ability to
- express ideas
- explain thinking (critical in math)
- retell stories
- contrast and compare concepts or ideas

Explicit Oral Language Skills to Support Reading in ELA Standards

Description People, place, attributes

Similarities &

Compare and Contrast Differences

Sequencing

Retell Summarize Paraphrase

Identification/Labeling Attributes

Oral language Skills from ELA Standards

- Identify the main idea of a multiparagraph text as well as the focus of specific paragraphs within the text.
- Ask and answer questions such as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
- Describe the connection between a series of events, concepts, or steps in a procedure within a text.
- Determine the meaning of words and phrases as they are used in grade-level text including multiple-meaning words.
- Explain how graphic representations contribute to and clarify a text.

Oral	Lang	uage	Sł	Kill	S
from	ELA	Stan	da	rd	S

- Describe how reasons support specific points the author makes in a text
- Compare and contrast the most important points presented by two texts on the same topic.
- Acquire and use grade-appropriate conversational, general academic, and domain-specific words and phrases.
- Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade-level reading and content, choosing from a range of strategies and tools.

Oral Language Skills from ELA Standards

- Recount stories and determine their central message, lesson, or moral.
- Describe how characters in a story respond to major events and challenges.
- Describe how words and phrases supply rhythm and meaning in a story, poem, or song.
- Acquire and use grade-appropriate conversational, general academic, and domain-specific words and phrases.

Oral language and reading comprehensionoral language is the base for comprehension

Timothy Shanahan and Christopher Lonigan explore the connection between early oral language development and later reading comprehension success

http://languagemagazine.com/5100-2/

- The student has to read the word, but that is no guarantee the student understands it
- Student has to use the word correctly in oral language to demonstrate comprehension

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- As children accomplish the ability to automatically and fluently read printed words, language comprehension begins to contribute more to individual differences in reading comprehension.
- Most children who score poorly on reading comprehension tests have difficulty decoding words and understanding language.
- Sentence structure is crucial to comprehension
- Sentence structure depends on oral language comprehension

Help with Sentence Meaning

Texts may be hard because of grammar or syntax: Oral language precedes reading comprehension

- Firefighters must be able to respond quickly to many kinds of fires and other dangerous situations
- Other kinds of fire trucks include ladder trucks, tanker trucks and rescue trucks.

Students have to know and explain that "fire" has more than one meaning. In one sentence the word "fire" means a person. In the other sentence "fire" means a truck.

Help with Sentence Meaning

Guide students orally to interpret complex sentences (clause and phrase analysis)

- After driving along the highway to collect the ingredients, she returned to the shop. She quickly made Val's sandwich. Val ripped it apart and ate it in a flash (Students have to know and explain that "ripped" has more than one meaning)
- They also build cocoons to store the air. Other spiders live on top of the water. They run across the water when they hunt (Students have to know and explain how spiders can live on top of water and then run across the water).

Building Descriptive Skills

Relationships and Descriptive Skills to Build:

- Descriptions of single objects
- Description of categories
- Objects related to topic
- Example: Things we see at school
- People related to topic
- Example: People that we see at school

 Related objects by categories
- Example: Types of Fruit
- Parts or objects related to topic by attributes
- Example: Name things that are long
- Similar objects

Example: Things we can use to brush our hair

Describing Objects

Start with a single object

- Ask the following questions:
 - What is the name of the object?
 - What do you do with it?
 - Who might use object?
 - Where might I find this object? Where go to buy or find?
 - What does it look like?
 - Define size, color, shape, texture, taste, etc.
 - What category does it go into?
 - Is a fruit?
 - Is a toy?

Describing Objects

Wrap up description by using a sentence with the descriptions, functions and attributes of the object.

This is an orange. It is round, orange in color, a piece of fruit and something that we eat.

Start to introduce how it's different from another object in the category in the wrap up .

This is an orange. It is round, orange, a fruit, and something we eat. It is different from apple because of it's shape and taste.

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Determining the Category	
Provide students with a list of 4-5 items.	
Orange, Banana, Apple, Kiwi, Cherries	_
Ask what category do these fit into? "these are all"	
Can give two choices for students who struggle. Are these objects furniture or fruit?	
Increase complexity by making the associations broader or the categories more complex	
Words: happiness, anger, sad, brave These are all	
	-
Building "Reverse" Descriptive Skills	
• What is it?	
 Explicitly teach students questions What color is it? 	
What is it made of?	
Where do you find it?What shape is it?	
FunctionWhat size it?	
 What category does it belong to? 	
Compare and Contrast	
Compare and Contrast	
Defined: Ability to understand and talk about similarities and differences	
Connection to Reading: Making comparisons and thinking about relationships within the reading and/or between the reading and the student's life can deepen understanding	
Prerequisites: Descriptive vocabulary to describe attributes, sizes and temporal concepts. The ability to describe an object by attributes and categories. Knowledge of the vocabulary same/different	
Where Do I Start? Use words and drawings as the foundation for sentence elaboration, descriptions, sharing and extending to writing	

The complexity of Idioms
Based in Oral Language

- Some common idioms and idiomatic expressions are:
- It's raining cats and dogs today. (Meaning of idiom: It's raining heavily)
- Maria felt like a *fish out of water* on the first day of school. (Meaning of idiom: Maria felt different, as if she didn't belong)
- He didn't have his coat on, and he caught a cold. (Meaning of idiom: He got sick)
- Last night my mom *lost her temper.* (Meaning of idiom: She was very angry)
- I think that you will *get a kick out of* the movie. (Meaning of idiom: You will enjoy watching the movie)
- I *let the cat out of the bag* and told her that I was moving. (Meaning of idiom: I told the secret)

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Defined: Ability to put events into order. Higher order sequencing is the ability to put retell events in order.

Connection to Reading:

The ability to sequence events is crucial in comprehension of stories and retell for writing purposes later

Prerequisites: Descriptive vocabulary to describe attributes, sizes, and temporal concepts. The ability to describe an object by attributes and categories. Short term memory and direction following. Vocabulary terms such as first, second, third

Where do I start?

Use of hands on activities familiar to students (i.e., making a sandwich, washing hands, lining up for lunch) then proceed to picture sorts to sequence events

Building Recall Skills To impact Oral Retell Skills

- Start with the student stating what happened FIRST
- Add: What happened Last?
- Then: Beginning -Middle -End
- Then: 3-4 events/details

Building Recall Skills To Impact
Oral Retell Skills

Purpose:

Retell is an essential skill to demonstrate comprehension

Prerequisite language skills:

• Sequencing, age appropriate vocabulary, labels, attributes

Language skills that may impact success:

 Use of verbs, short term memory, labeling, descriptions, answering one step questions

What the Research Says About PA

- The ability to hear and manipulate phonemes plays a causal role in the acquisition of beginning reading skills (Smith, Simmons, & Kame'enui, 1998).
- There is considerable evidence that the primary difference between good and poor readers lies in the good reader's phonological processing ability.
- The effects of training phonological awareness and learning to read are mutually supportive.

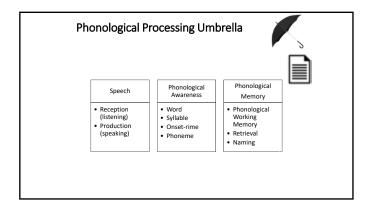


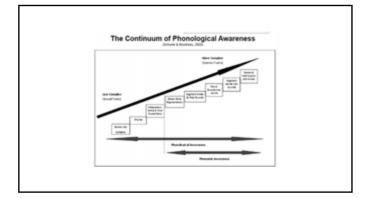
What the Research Says About Phonological Awareness (PA)

• The best early predictor of reading difficulty in kindergarten or first grade is the inability to segment words and syllables into constituent sound units (phonemic awareness) (Lyon, 1995).



Diane Lewis, SLP and Linda Mercer, SLP, SlideShare





Why Pronemic Awareness is Important

- PA teaches students to attend to sounds. It primes the connection of sound to print.
- PA gives students a way to approach reading new words.
- PA helps students understand the alphabetic principle, that letters in words are systematically represented by sounds.

Phonemic Awareness - SuPs don't get tagged for all phonemic awareness work in general education - Primary role of SuP in phonemic awareness is to model and demonstrate for teachers What Is Phonemic Awareness? - Phonemic awareness is the most sophisticated level of phonological awareness - It involves the ability to auditorally notice that the spoken word contains a Sub-level of smaller sounds or 'phonemes' - The smallest unit of sound in spoken language is a phoneme		
Primary role of SLP in phonemic awareness is to model and demonstrate for teachers What Is Phonemic Awareness? Phonemic awareness is the most sophisticated level of phonological awareness It involves the ability to auditorally notice that the spoken word contains a 'sub-level' of smaller sounds or 'phonemes'	Phonemic Awareness	
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It involves the ability to auditorally notice that the spoken word contains a 'sub-level' of smaller sounds or 'phonemes'	What Is Phonemic Awareness?	
• It involves the ability to auditorally notice that the spoken word contains a 'sub-level' of smaller sounds or 'phonemes'		
contains a 'sub-level' of smaller sounds or 'phonemes'	awareness	
• The smallest unit of sound in spoken language is a phoneme	 It involves the ability to auditorally notice that the spoken word contains a 'sub-level' of smaller sounds or 'phonemes' 	
	The smallest unit of sound in spoken language is a <i>phoneme</i>	
What's Involved in Phonemic Awareness?	What's Involved in Phonemic Awareness?	
• Phonemic Awareness involves the ability to : • Segment, or separate, words into sounds		
• Blend, or put those sounds together to make a word • Manipulate sounds, or change sounds within words to	 Blend, or put those sounds together to make a word 	
make new words		

Why Phonemic Awareness is Difficu

- There are 26 letters in the English language.
- Though the number of phonemes vary across sources, there are approximately 40 phonemes.
- Sounds are represented in 250 different spellings (e.g., /f/ as in ph, f, gh, ff).
- Phonemes are coarticulated, thus logical "sound units" are not readily apparent and must be taught.
- \bullet No "white spaces" between letters, syllables, or $\mbox{words.}$

Research Examining Educators' Phonemic Awareness Skills

- Brady, Gillia, Smith, Levalette, Liss-Bronstein, Lowe, North, Russo, & Wilder (2009): First-grade teachers had weak phonological avareness and
- Cheesman, McGuire, Shankweller, & Coyne (2009): EC. Spec Ed and elementary teachers do not have the recommended knowledge or skills
- Spencer, Schwele, Quillot, & Lee (2008): SLPs had superior performance on the measure of chonemic automores compared to other education.
- Bos, Mather, Dickson, Podhajaki, & Chard (2001). Pre-service and inservice educators' demonstrated limited to missing of PA or terminology resided to language structures and planniss. They also found that those teachers perceived themselves as only some-half prepared to heach early reading to stronging reading.
- Moets & Foorman (2003): Found a significant relationship between teachers knowledge of language and reading, their overall instructional competence and student achievement.

Why Focus on Phonemic Awareness?

Longitudinal studies of reading acquisition have demonstrated that...

emonstrated that...
 the acquisition of phonemic awareness is highly predictive of reading success.

 At the kindergarten level, phonemic awareness abilities appear to be the best under predictor of successful reading acquisition.

Without direct phonemic awareness instructional support....

 25% of middle-class first graders and substantially more children from less literacy-rich backgrounds will evidence serious difficulty in learning to read and write.

Justice, 2009

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Final Facts & Statistics	
Research indicates that without direct instructional support,	
phonemic awareness eludes roughly 25% of middle class 1st graders Impact is substantially greater for children from less literacy-rich backgrounds	
Evidenced in serious difficulty learning to read, write, and spell	
Date Leak, Stration Merc; Str. Dadlere	
First Things First	
 Before children can make sense of the alphabetic principle, they must first understand that those sounds that are paired up with letters are 	
"one and the same" as the sounds of speech	
 Children must therefore have solid phonemic awareness skills before undertaking phonics instruction 	
We must begin with the sounds of language	
	1
More Good News	
Research indicates that critical levels of phonological awareness can	
be developed through carefully planned instruction, and this development has a significant influence on children's reading and	
spelling achievement	
State Level, 52 and Links Mesons, 54, Statistics	

	_
1. LISTENING SKILLS	
Focus the child's attention on sounds of interest (a pre-phonemic awareness skill) Tages of hirds Care Care	
Tapes of birds Cars Wind Breathing	
Footsteps Door closing	
Sink running Doorbell	
Silverware being placed in a drawer	
For older students also try listening for specific musical instruments in classical music pieces; try	
to recognize familiar voices on a tape	
2. WORDS IN SENTENCES	
NOTE: Segmenting begins at the sentence level, with	
the eventual goal being segmenting at the phoneme level	
 Introduce the idea that sentences are made up of 	
strings of words and that a sentence is like a short story. It tells something and has to name who or what	
it is telling about	
Words in Sentences	
Words in Schlendes	
Recognize complete sentences	
Thumbs UP or DOWN:	
• "has blue eyes"; "the children"	
Count by Clapping	
 Clap for each word in the sentence Begin with one syllable words; later introduce two syllable 	
words, etc.	
 Begin with short sentences and gradually lengthen 	

Words	: in	Sentences
V V O I G S	, ,,,	Jentenees

- Represent the number of words in sentences by placing colored squares/ blocks/or counting chips on the table
 - Repeat the sentence while touching each counter
 Great for language, sequencing, and memory
 - Also a useful method in later grades for sentence dictation/spelling; use finger-tapping method or drawing lines on paper

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- Introduce the concept that words are made up of parts called 'syllables'
- Start with compound words
 - Segment into single syllables by clapping or using colored squares/blocks to show the two components
 - snowman, airport, sailboat, cattail

Awareness of Syllables

- Blend two one-syllable words to form a compound word • snow + man flash + light
- Syllable Deletion with compound words
 - Say goldfish. Now say it again but don't say fish
 - Say mailbox. Now say it again but don't say mail

	I
Awareness of Syllables	
Introduce children to the nature of syllables by	
modeling • Begin by clapping and counting the number of syllables in	
their names Play 'Clap It' or 'Whisper It' Use colored blocks to represent the number of syllables in	
everyone's names; compare the number of syllables	
	1
4. INITIAL AND FINAL SOUNDS	
NOTE: Now working at the phoneme level	
First, lead children to discover that words contain phonemes	
Second, help them begin to learn about the phonemes' separate identities so they can recognize them & distinguish them from one	
another	
1	I
Initial and Final Sounds	
The identities and distinguishing characteristics of the phonemes are	
easier to feel in one's mouth than to hear in one's ear • Direct children's attention to the articulation of phonemes and how they	

- Phonemes are easier to recognize in the initial positions of words
 - Move from beginning sound to final sound; sounds in the middle of words comes last as they are hardest
- Be sure to use "pure" sounds when modeling
 - /b/ the sound stops on your lips; be careful not to add "uh" as an extra sound

5. SEGMENTING WORDS

- Segmenting words into phonemes
 - Use colored squares to represent each sound in the word
 - What sounds do you hear in the word "hot"
- Counting phonemes in words
 - How many sounds do you hear in the word "man"; "hat"; "cake"; "bike"

6. BLENDING PHONEMES INTO WORDS

- What word would you have if you put these sounds together
 /s/ /a/ /t/
- Begin with initial sound plus end of word • /c/ at /p/ en
- Move to final phoneme blending
 coa /t/ hou /se/
- Increase complexity by blending individual sounds

 7. DELETION OF PHONEMES Say "cat" Say "cat" again without the /k/ What sound do you hear in "meat" that is missing in "eat" 	
CONCLUSION Phonemic awareness is one of the necessary building blocks to reading and spelling success The strategies we discussed also help with general listening skills and vocabulary development Continue the wonderful work you do and have fun with language!	
Facts & Statistics • The ability to decode single words accurately and fluently is dependent upon the ability to segment words and syllables into phonemes. • Deficits in phonological and phonemic awareness reflect the core deficit in reading disabilities	

Ы	hα	าท	ics

- The study of the relationship between the speech sounds (phonemes) and the letters that represent them.
- Sometimes referred to as decoding.
- The study of phonics provides for the development of the skill in decoding of visually unfamiliar words.

Decoding

The process of converting written language into spoken sounds

sound Encoding

- The reverse.
- The process of converting oral language into written language.

Cooper, J. D. & Kiger, N. (2003). Literacy: Helping Children Construct Meaning, 5th ed.

IMPORTANCE OF PHONICS

- 1. Learning to read involves everyday encounters with words the child has never before seen in print.
- 2. Phonemic analysis provides the most important single clue to the identity of unknown words in print.

Torgesen, J.K. Teaching all students to read: Working together as a school level system. Invited presentation to annual meetings of the American Speech and Hearing Association. Miami, November, 2006.

Phonics

- •A method of teaching reading based on the sounds of letters, groups of letters, and syllables.
- •A phonics approach to reading emphasizes spelling patterns, for example:

•care, bare, fare

•fair, hair, chair

•Some phonics symbols are the same as IPA, and some are different (especially vowels).

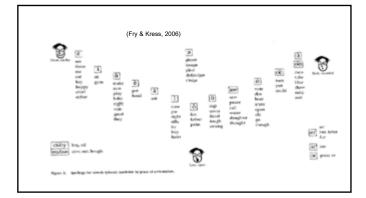
Jaskolski / Moyle, ASHA Convention 20

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IMPORTANCE OF PHONICS

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Torgesen, J. K. Teaching All Students to Read: Working Together as a School Level System. Invited presentation to annual meetings of the American Speech and Hearing Association. Miami, FL. November 2006.



" ... a weakness of some SLPs: They don't pay enough attention to the transition between phonemic awareness and phonics."

Torgesen, J. K. Teaching All Students to Read: Working Together as a School Level System. Invited presentation to annua meetings of the American Speech and Hearing Association. Miami, FL, November 2006.

Be the Bridge

Connect speech to print



•Use letters in your lessons for sound blending, segmenting, and manipulation

•Identify letters that represent sounds

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			Movie, ASHA Convention 2011

International Phonetic Alphabet (IPA)

- A system of phonetic symbols that anyone can learn to use and that can be used to represent the sounds of any language
- A one-to-one correspondence between sounds and symbols
 - For example, the words read, reed, and Reid would be transcribed the same way: /fid/

Jankolski / Mayle, ASHA Convention 20

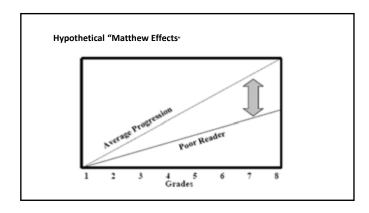
IPA Chart	Column C
	- Total 1 - Total 2 - Tota

"Matthew Effects"

Stanovich (1986)

Children who learn to read easily, enjoy reading, read more, are exposed to more complex and varied vocabulary, exhibit greater comprehension.

Children who struggle with reading, become frustrated with reading, read less, encounter fewer new words, learn less vocabulary, and understand less of what they read.



WI	hat	we	k k	now

- Good <u>language comprehension</u> & good <u>word reading</u> skills are required for effective reading comprehension
- Most poor readers experienced early & continuing difficulties in accurately identifying printed words
- · Poor readers are slower at developing "sight words"
- Ultimately, it is this difficulty in rapid word recognition that limits comprehension in older poor readers
- Torgesen, 1998

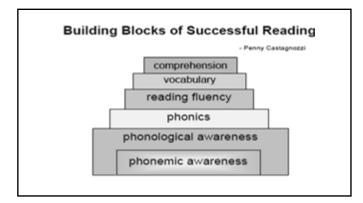
Children with a history of oral language impairment are 4-5 times more likely to present with reading difficulties than the general population (their peers).

(Catts et al., 2001)

Research - Post N.R.P.

- Foorman et al. (2003) 4872 K students
- Phonemic awareness activities (not syllable and word level) were keys to reading instruction in Kindergarten
- Helping students grasp sound/symbol relationship
- Instruction that combined PA and Phonics was more effective than instruction of PA alone.

		•	



See the	word t
Activation of sounds /kat/	Activation of concepts

Relationship between phonological awareness and reading

o In reading, the "sounds of spoken language [are] mapped onto letters or syllables (graphemes)."

o "Beginning readers must decode print to access the [sound] and meaning of words. They already know the meanings of words in spoken language, but they have to learn to relate [the sounds of spoken] language to print through explicit phonological awareness."

Phonological awareness impairments in dyslexia

o "Children with dyslexia trequently exhibit poor phonological awareness, initially for spoken words and subsequently for printed words."

o "These children have difficulty performing and language tasks that depend on phonological awareness," such as:

o Deciding which words start with the same sound

o Segmenting words into parts
o Biending sounds to create a word
o Deleting a sound within a word, saying what's left

(Gabriell 2009)

Speech problems that may signal poor phonological awareness

• Penistence of normal developmental speech errors beyond the ages at which they would normally disappear. For example:

• Voicing error, (big/rigi) – gone by age 3 o final consonant deletion (coe/comb) – gone by age 3.3 o final consonant deletion (coe/comb) – gone by age 3.3 o Weak syllable deletion (flat/spatial) – gone by age 4 o Chaler reduction (poon/spoon) – gone by age 4 o Gliding (wike/like) – gone by age 5

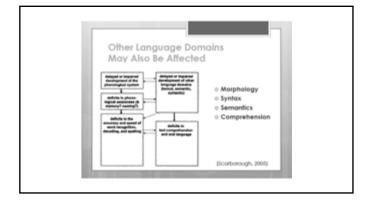
Speech problems that may signal poor phonological awareness
Presence of unusual speech errors (not seen in typical speech development): Initial corsonant deletion (og for dog) Backing (moving bont sounds like /It/ and /d/ to the back of the moth like /At and /g/) Glottal replacement (the error harment) Fricatives replacing stops (sop for top) Stopping of glides (dam for yami) Vowel error patterns
(Post. 2007)

Additional symptoms of poor phonological awareness
e timos in sequencing sounds in spoken language (arminal / animal)
trouble remembering sound-symbol relationships (e.g., the sound /bt/s made with the letters b and t)
Overrefance on whole-word and context cues when reading
Difficulty sounding out unfamiliar words
Slow reading rate
Olificulty sequencing sounds in words when spelling
Contusions between similar-sounding sounds (e.g., the short vowel sounds /e/ and /t/)

(Mather & Wendling, 2012)

Quick word for SLPs on freating phonologically-based speech sound disorders

• Don't use traditional articulation therapy
• Use a phonological approach to intervention, such as:
• Cycles Therapy
• Metaphon Therapy
• Minimal Pair Therapy
• Phoneme Awareness Therapy
• You are working on correcting the child's spoken language system, not their articulation skills



Treatment outcomes:
prevention vs. remediation

o "With appropriate instruction, at-risk readers can become both accurate and fluent readers.

o in contrast, although intensive, evidence-based remedial interventions can markedly improve reading accuracy in older, reading-disabled children, they have been significantly less effective in closing the fluency gap."

Benefits of Early Intervention

o "Prevention and early phonologic awareness intervention programs in kindergarten through 2nd grade can increase reading skills in many poor readers to average reading levels."

o "Torgesen reviewed many studies on early intervention and found that when intervention began in the 1st grade, the expected incidence of reading disability of 12% -18% was reduced substantially to 1.6% -6%."

[American Academy of Pedatrics. 2011]

Risks of Waiting	
o "Children identified as reading disabled after 2nd grade rarely catch up to their peers."	
o "Results of longitudinal studies have shown that when intervention is delayed until 3 rd grade or 9 years of age (the average age at which these children receive services), approximately 74% of these children will continue to have difficulties learning to read through high school."	
(American Academy of Pediatrics, 2011)	- 111

Roles and Responsibilities of Speech-Language Pathologists With Respect to Reading and Writing in Children and Adolescents (2001) off is the position of the American

oll is the position of the American Speech-Language-Hearing Association (ASHA) that speechlanguage pathologists (SLPs) play a critical and direct role in the development of literacy for children and adolescents with communication disorders.

oThe connections between spoken and written language are well established:
oSpoken language provides the foundation for the development of reading and writing
oSpoken and written language have a reciprocal relationship, such that each builds on the other to result in general language and literacy competence

o SLPs' knowledge of normal and disordered language acquisition, and their clinical experience in developing individualized programs for children and adolescents, prepare them to assume a variety of roles related to the development of reading and writing.

SLPs are Language Specialists

- SLPs are trained in acquisition, development and integration
- of language systems

 The SLP has expertise in the language demands of the curriculum, for example:
- vocabulary
- High level language (metaphors, analogies, figurative language)
 Paraphrasing

- Comprehension/processing during language of instruction

include, but are not limited to: Preventing written language problems by fostering language acquisition and emergent literacy o Identifying children at risk for reading and writing problems o Assessing reading and writing Assessing reading and writing Providing intervention and documenting outcomes for reading and writing Assuming other roles, such as providing assistance to general education teachers, parents, and students; advocating for effective literacy practices; and advancing the knowledge base

Appropriate roles and responsibilities for SLPs

33

SLP role: early to	dentification	
o Catts et al. reco o "All children wh known histories		
places [these st difficulties that	speech-language proble tudents] at risk for reading are 4 to 5 times greater the in from the general	
	Catts et al. 5	2001)

SLP role: early identification

of crhidren who enter kindegarten without known
histories of speech and/or language problems,
teaches should "make liberal referrals to the SLP
for screening." It characteristics such as the
following are observed:

o Child appears to be behind in their familiarity
with books

o Teacher has concerns about speech and/or
cral language development

o Child has difficulty with phonological awareness
task that are part of the kindergarten

curriculum

SLP role: feaming with feacher
o "Classroom reading activity should be
intensified by increasing the time of
instruction and/or reducing teacher-tostudent ratios"

o SLP works with classroom teacher in
planning and conducting intensified
instruction on phonological awareness
and sound-letter correspondences

Coth et al. (2001)

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