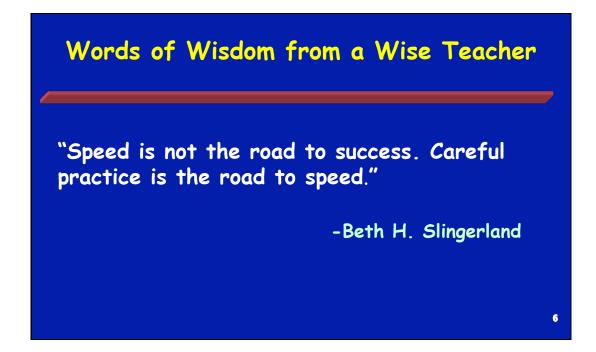


	Prerequisites for Fluency
	Barbara Foorman (2005)
(High quality representational systems:
	 Orthographic -> spelling patterns
	■Phonological → sound system ■Semantic → meaning
	Syntactic -> grammar-sentence structure
	Attention to connections <u>between and among</u> the systems
	Emphasis on automatic (rapid) retrieval of information from each system through learning and practice



More Words of Wisdom From Another Wise Teacher

"We are what we repeatedly do. Excellence, therefore, is not an act but a habit."

Aristotle-Greek Philosopher

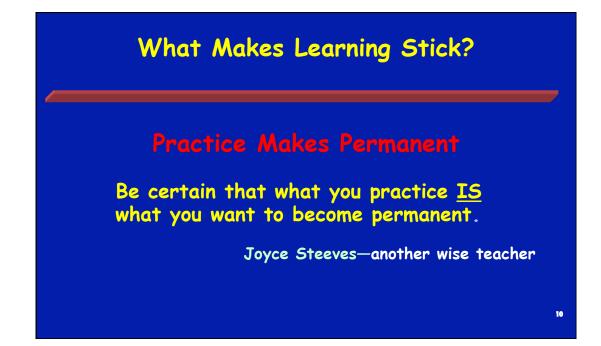
In-School Reading Practice Usually Associated with Wide Reading Paige, Rasinski, & Magpuri-Lavell 2012

"Practice is perhaps the best way to develop fluency in any endeavor, whether that endeavor is memorizing a musical score, mastering an athletic movement, learning a dance, or reading a text."

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'We go over that (pass) play even day in practice. It seems kind of redious, but it paid off."
Quarterback Brian Moore Lowell High School Senior
2002 Thanksgiving Day
San Francisco City Championship Game Academic Athletic Association





Chunking Text into Meaningful Phrases

Recognizing meaningful chunks of text helps develop fluency and comprehension. Though most readers chunk automatically, chunking strategies must be taught to struggling readers.

Louisa Cook Moats 1995 Spelling: Development, Disabilities and Instruction

Repeated Reading of Phrases

Repeated reading of phrases and longer chunks of text helps to develop fluency and comprehension. It increases awareness of the <u>function</u> of phrases and <u>relationships</u> between words and phrases <u>within</u> sentences.

Louisa Cook Moats 1995 Spelling: Development, Disabilities and Instruction

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Research and Reading Fluency

Kuhn, Schwanenflugel & Meisinger (2010)

• Over the past decade, fluency's role in literacy education has shifted from a rarely encountered component of reading to a central instructional component of skilled reading and a driving force in the literacy curriculum. Why?

- Inclusion of fluency in the USA National Reading Panel review (2000)
- A broader reconsideration of the role of <u>oral reading</u> in the development of skilled reading (e.g. Rasinski, 2006; Reutzel, Fawson & Smith, 2008)

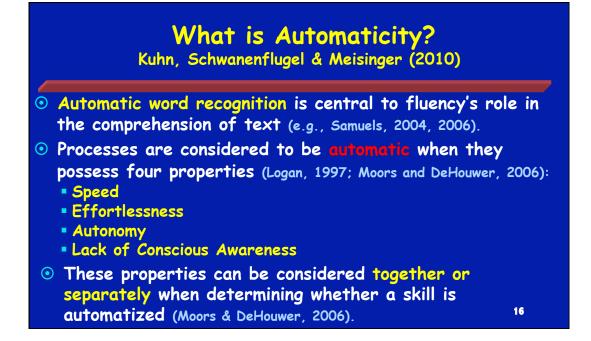
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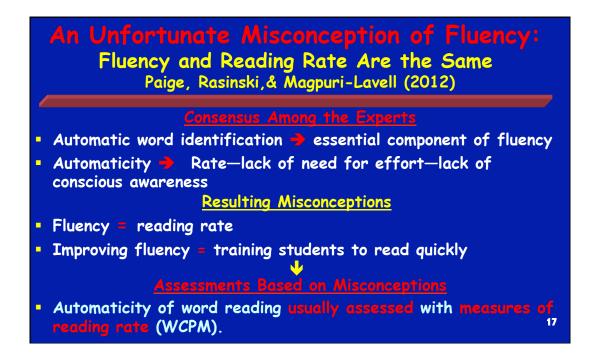
Research and Reading Fluency

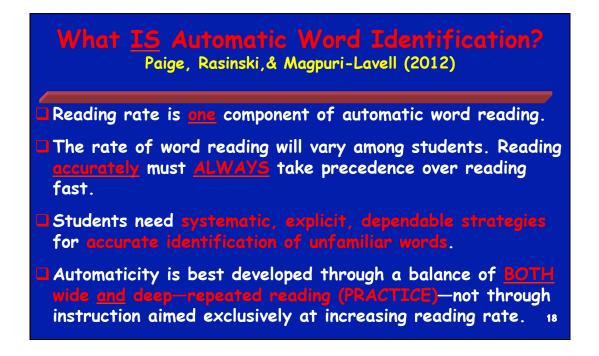
Kuhn, Schwanenflugel & Meisinger (2010)

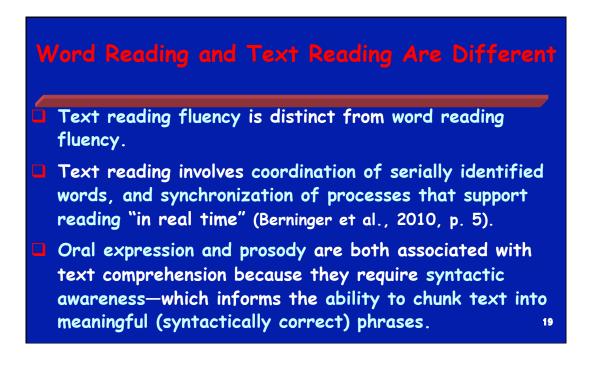
• Although fluency is <u>currently</u> considered to be a critical component of reading development, the <u>current implementation of fluency</u> instruction in many classrooms is driven by assessments that build upon an <u>incomplete conceptualization</u> of the construct and can lead to both <u>inappropriate instruction</u> and a <u>serious misconception of fluency</u> as an essential characteristic of skilled reading.

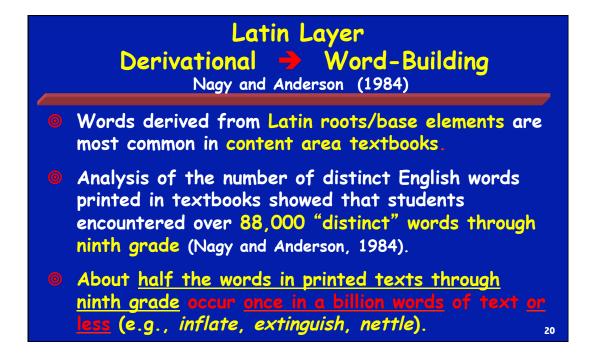
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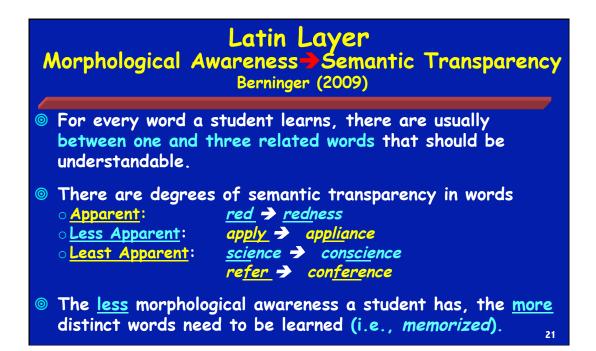








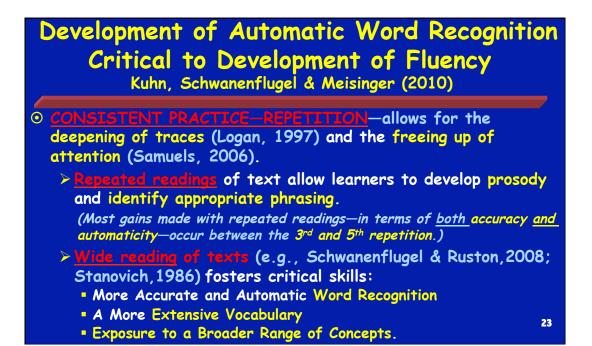


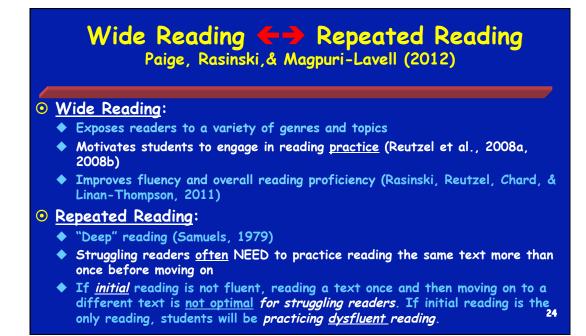


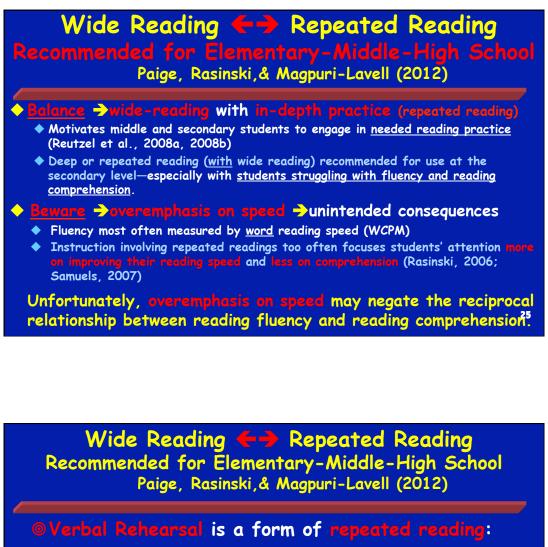
Latin Layer

Morphological Awareness – Semantic Transparency Berninger (2009)

- Semantically transparent words are skewed toward the low end of the frequency distribution to a greater degree than <u>morphologically basic words</u> or <u>semantically</u> <u>opaque words</u> (Nagy and Anderson 1984).
- About 60% of the unfamiliar words encountered in the middle school years and beyond are sufficiently transparent—even though they are morphologically complex in structure and meaning, that a reader might be able to infer the meaning of the word (Nagy et al., 1989).







Focus of attention <u>IS</u> on constructing <u>meaning</u>.
 Through words

Through oral reading of those words (prosody)
 Chunking those words into meaningful phrases

•Focus of attention **I5** NOT on increasing speed.

26

What Is Prosody?

Kuhn, Schwanenflugel & Meisinger (2010)

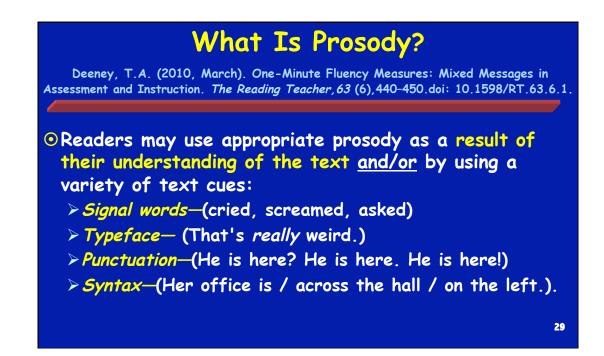
- © Prosody is appropriate expression or intonation coupled with <u>phrasing</u> that allows for the maintenance of meaning (Cowie, Douglas-Cowie, & Wichmann, 2002; Miller & Schwanenflugel, 2006, 2008; Schwanenflugel, Hamilton, Kuhn, Wisenbaker, & Stahl, 2004).
- © Prosody is the music of language.
- © Some anthropologists have claimed that speech prosody served as the protolinguistic base from which music itself may have emerged (Simpson, Oliver, & Fragaszy, 2008).
- © Prosody captures the rise and fall of pitch, rhythm, and stress—the pausing, lengthening, and elision surrounding certain words and phrases (Hirschberg, 2002).

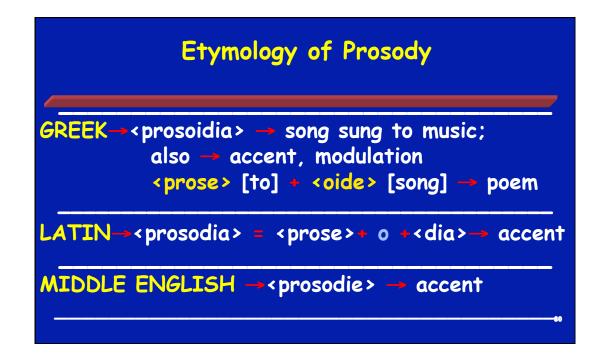
27

What Is Prosody?

Deeney, T.A. (2010, March). One-Minute Fluency Measures: Mixed Messages in Assessment and Instruction. *The Reading Teacher,63* (6),440-450.doi: 10.1598/RT.63.6.1.

- Ability to read smoothly with appropriate phrasing and expression
- Expressive qualities of tone, inflection, and rhythm that make reading sound like oral language—speech, drama, or music
- Phrasing—or parsing of text into <u>appropriate</u> segments
- To read connected text with prosody, students must chunk words into meaningful phrases (NCW).





What Are the Psycholinguistic Functions of Prosody? Kuhn, Schwanenflugel & Meisinger (2010)

- Prosody provides a basic cognitive skeleton that makes it possible to hold an auditory sequence in working memory (Frazier, Carlson, & Clifton, 2006; Swets, Desmet, Hambrick, & Ferreira, 2007).
- By cognitively "bracketing" key informational units, such as phrases, prosody helps us hold spoken words in working memory until a more complete semantic analysis can be carried out (Koriat, Greenberg, & Kreiner, 2002).
- © Prosody may also disambiguate semantically and syntactically ambiguous sentences (by parsing into smaller, meaningful phrases).
- We should not expect children to use this type of disambiguating
 prosody when they read orally—UNLESS WE TEACH THEM HOW. WE
 <u>ME MOW HOW TO TEACH THEM TO READ IN MEANINGFUL PHRASES (NCW).</u>

Prosody: A Component of Oral <u>AND</u> Silent Reading? Paige, Rasinski, & Magpuri-Lavell (2012)

Fluency is more than automatic word recognition. Fluency is reading with prosody that reflects the meaning of the text.

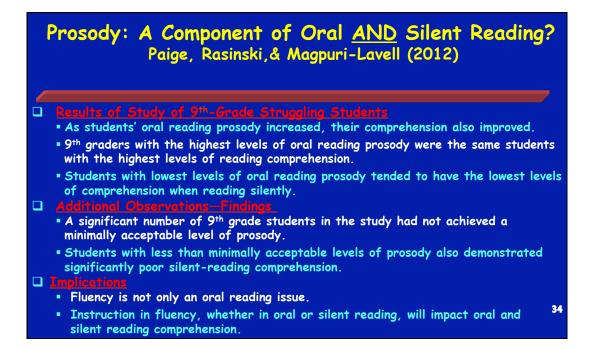
- □ Fluent <u>speakers</u> → modulate their voices to enhance the meaning of their speech—to convey their message.
- Fluent <u>readers</u> demonstrate prosody that reflects the meaning of the text:
 - Speed up and slow down
 - Raise and lower pitch
 - Increase and decrease volume
 - Embed pauses and lengthened syllables (to indicate punctuation and emphasize meaning of text)

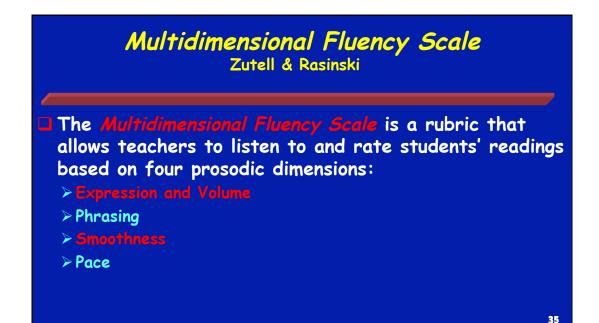
□ Dysfluent readers →word-by-word monotone:

32

Interferes with text comprehension

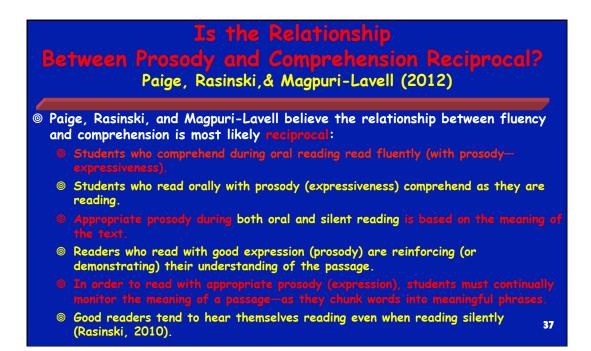
Prosody: A Component of Oral <u>AND</u> Silent Reading? Paige, Rasinski, & Magpuri-Lavell (2012) Fluency is more than automatic word recognition. Fluency is reading with prosody that reflects the meaning of the text. Fluent oral readers tended to have high levels of comprehension when reading silently (Pinnell et al., 1995). Dysfluent oral readers struggled with comprehension when reading silently (Daane, Campbell, Grigg, Goodman, & Oranje, 2005; Pinnell et al., 1995). • The same mechanisms that foster fluency in oral reading also operate during silent reading. • Mechanisms that foster fluency also help readers comprehend text—whether a text is read orally or silently. Fluency is not only an oral reading issue. 33 Instruction in fluency, whether in oral or silent reading, will impact oral and silent reading comprehension.

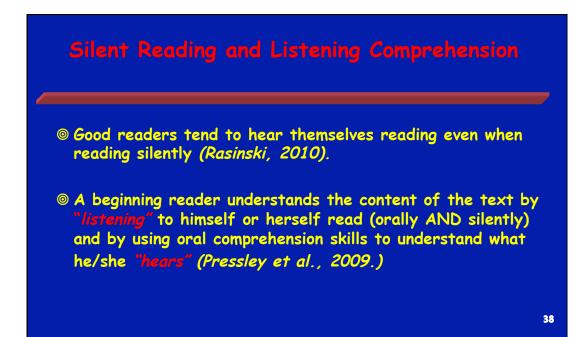


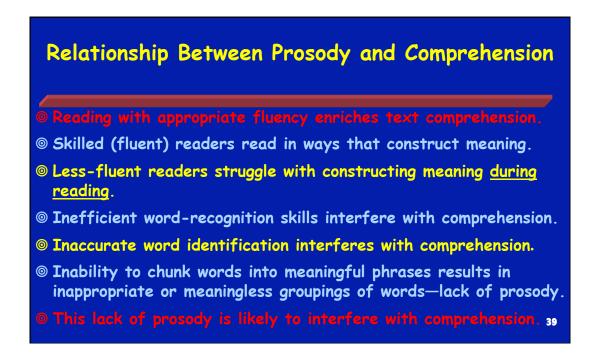




- Prosody <u>may be a catalyst</u> for comprehension (a reader understands what she's reading <u>because</u> she uses appropriate prosody) <u>OR</u> the <u>result</u> of comprehension (a reader can use appropriate prosody <u>because</u> she understands what she's reading).
- Some researchers argue that there is a reciprocal relationship between the two (Kuhn, 2009).
- Although we may not understand the exact nature of the relationship between reading with appropriate prosody and understanding what one reads, it is clear that such a relationship exists (<u>Miller & Schwanenflugel, 2008</u>; <u>Pinnell et al., 1995</u>)³⁶







Components of Fluency

Kuhn, Schwanenflugel & Meisinger (2010)

- There is growing consensus that accuracy, automaticity, and prosody all make a contribution to the construct of fluency (e.g., Hudson, Pullen, Lane, & Torgesen, 2009; Rasinski, Reutzel, Chard, & Linan-Thompson).
- How these components are conceptualized, their role in reading development, and their <u>function</u> in reading comprehension all have significant influence on how they are taught and assessed.

Relationships within the Construct of Fluency Important Role of Prosody in OVERALL Reading Proficiency Paige, Rasinski, & Magpuri-Lavell (2012)
Strong relationships exist between automaticity and reading comprehension.
Studies have shown an equally strong and substantial relationship between measures of reading prosody (expression) and silent-reading comprehension (Benjamin & Schwanenflugel, 2010; Daane et al., 2005; Miller & Schwanenflugel, 2006; Pinnell et al., 1995; Rasinski et al., 2009).
Students who read with appropriate expression when reading orally tend to have better comprehension when reading silently than students whose oral reading is marked by less expressive reading.



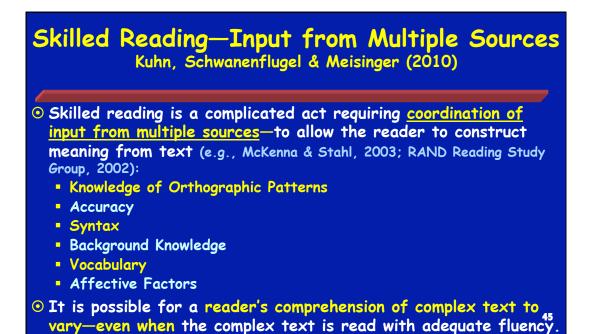
- ⊙ Fluency is <u>NOT</u> a matter of speed.
- Fluency is about being able to utilize as much knowledge as possible about a word fast enough to have time to think and comprehend.
- Fluency does <u>NOT</u> ensure comprehension.
- The purpose of fluency is to give the executive system sufficient time to direct attention where it is most needed: inference—understanding—prediction. 42

More on Defining Fluency Kuhn, Schwanenflugel & Meisinger (2010)

- Classroom instruction develops around teachers' <u>perceived</u> <u>understanding</u> of a construct; consequently, the way in which teachers view certain aspects of the reading process has a <u>decisive role</u> in their teaching and assessment of those aspects.
- While many definitions of fluency highlight the importance of accuracy, automaticity, and prosody in relation to the comprehension of text, (e.g., Fuchs et al., 2001; NICHD, 2000; Rasinski et al., 2010; Samuels, 2006; Torgesen & Hudson, 2006), which elements are emphasized and the roles they are assigned in the development of skilled reading vary widely.

More on Defining Fluency Kuhn, Schwanenflugel & Meisinger (2010)

- O Most fluency researchers (e.g., Rasinski et al., 2006; Samuels & Farstrup, 2006) agree that accurate and automatic word identification plays a central role in fluent reading, and that phonemic awareness and letter naming are also important in the process of developing accuracy and automaticity (e.g., Chall, 1996; Ehri, 1995).
- What needs to be challenged, however, is the emphasis that is placed on accuracy and automaticity (translation: speed) to some extent simply because they are the most quantifiable elements of fluency (Paris, 2008; Torgesen & Hudson, 2006) and often at the expense of other aspects of fluent reading, such as phrasing, appropriate pacing, stress, and emphasis (e.g., Kuhn & Stahl, 2003). 44

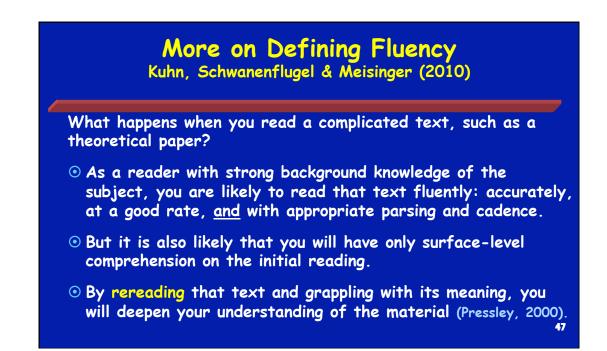


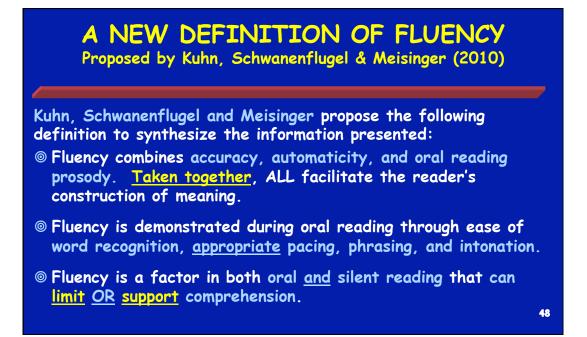
Prosody and Comprehension Steven Stahl

Our research, and the research of others, demonstrates that prosody reflects a reader's <u>syntactic processing</u>.

It is the ability to <u>assign words to syntactic</u> <u>categories</u> that accounts for the <u>relationship</u> between prosody and comprehension.

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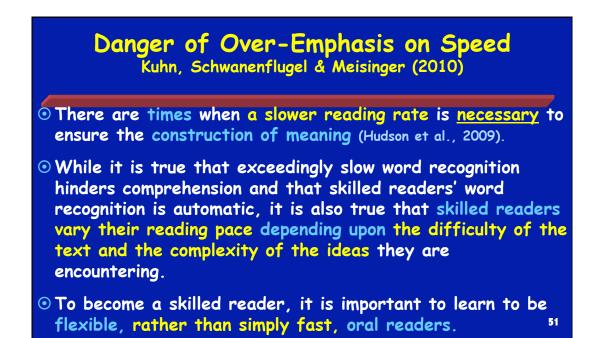




A NEW DEFINITION OF FLUENCY Kuhn, Schwanenflugel & Meisinger (2010) Incorporation of Several Critical Points: Highlights relationship between fluency and comprehension Emphasizes prosody along with accurate and automatic word recognition without privileging any of these components. Begins to address the understanding that fluency plays a role in silent <u>as well as</u> oral reading. Attempts to reconceptualize two aspects of fluency that can be problematic when taken in isolation from the rest of the components: rate and expression.

Danger of Over-Emphasis on Speed Kuhn, Schwanenflugel & Meisinger (2010)

- Excessive focus on rate can lead to fast, staccato reading rather than reading with appropriate pacing and may actually interfere with, rather than promote, comprehension (Samuels, 2007).
- Excessive rate impedes comprehension, either by shifting the focus away from understanding OR by actually interfering with the construction of meaning.
- More researchers (e.g., Fletcher et al., 2007; Hudson et al., 2009; Rasinski et al., 2010) now consider <u>appropriate</u> pacing, along with other prosodic features, as central to their definition of fluency. 50

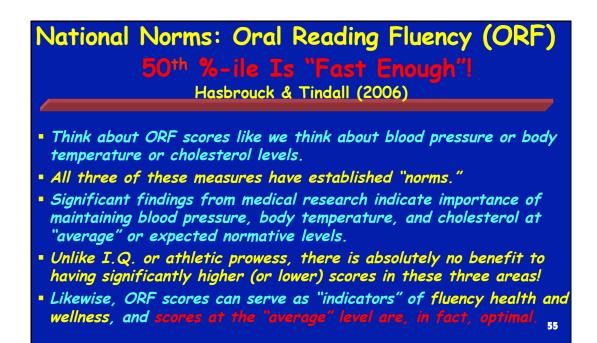


Natio		al Read ast is F			rms
		50 th Percentiles	Hasbrouck & Tin	dal (2006)	
	Grade	Fall wcpm	Winter wcpm	Spring wcpm	
Hasbrouck	1		23	53	
Č. Tiudal	2	51	72	89	
Tindal	3	71	92	107	
2006	4	94	112	123	
	5	110	127	139	
	6	127	140	150	
	7	128	136	150	
	8	133	146	151	- 5

			ral Readi "Fast En		cy
50 th %-ile	Grade	Fall wcpm	Winter wcpm	Spring wcpm	
50 /6-112	1		23	53	
Hasbrouck	2	51	72	89	
&	3	71	92	107	
Tindal	4	94	112	123	
	5	110	127	139	
2006	6	127	140	150	
	7	128	136	150	
	8	133	146	151	
	GREEN zone	e 10 or more to -4	YELLOW Zone -5 to -10	RED Zone > 10 below	

National Norms: Oral Reading Fluency (ORF) 50th %-ile Is "Fast Enough"! Hasbrouck & Tindall (2006)

- Performance at the 50th %-ile of ORF norms considered a reasonable benchmark for <u>appropriate</u> reading rate
- □ Ample empirical evidence to support need for students to maintain wcpm rates minimally at the 50th %-ile
- □ No research to suggest that wcpm scores above the 50th %-ile have any benefit.
- Although some students have wcpm performance above the 50th %-ile, there is NO research to confirm a benefit to these students in terms of higher levels of comprehension or motivation.

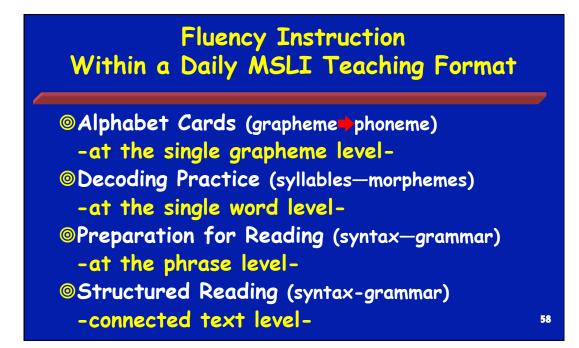


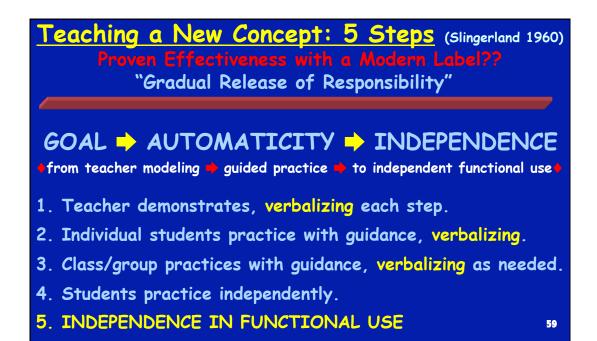
BIG IDEA: Enduring Understanding

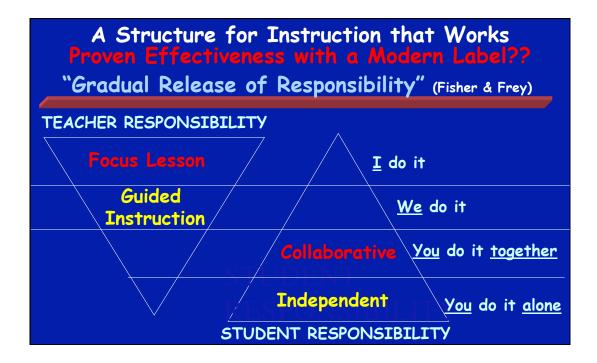
- ⊙ Fluent reading and fast reading are <u>NOT THE SAME</u>.
- To become a skilled reader, it is important to learn to be flexible—not just fast.
- Flexibility, based on the level of complexity <u>AND</u> the nature of the reading task, is the mark of a skilled reader.
- Measures of prosody (based on syntactically accurate parsing)—in combination with measures of rate and accuracy—must be part of evaluating reading comprehension.

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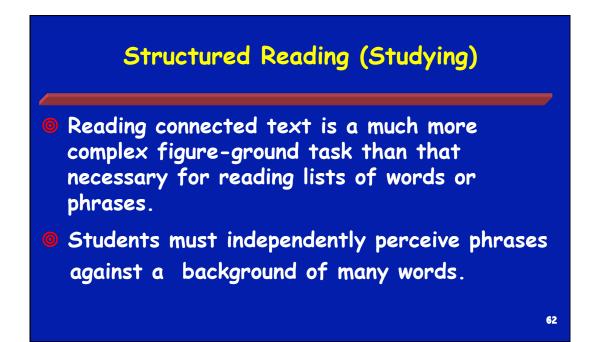












Structured Reading (Studying) OBJECTIVES: Why to Structure

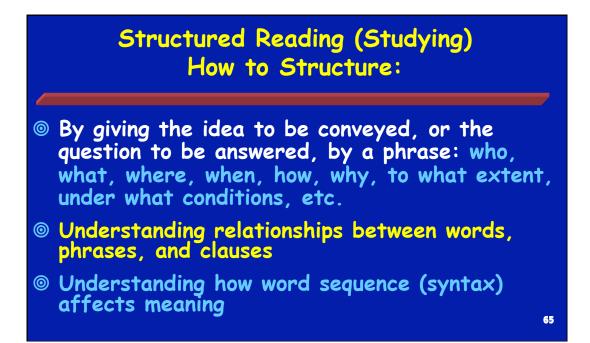
- © Eye span for phrasing
- Phrasing with concept
- Recognition of phrases introduced with prepositions and articles

Structured Reading (Studying) OBJECTIVES: Why to Structure

- When a phrase is "broken" at the end of a line, the phrase must be completed by words that appear on the next line
- Functional use of decoding skills
- Output Understanding how sentence structure influences meaning

64

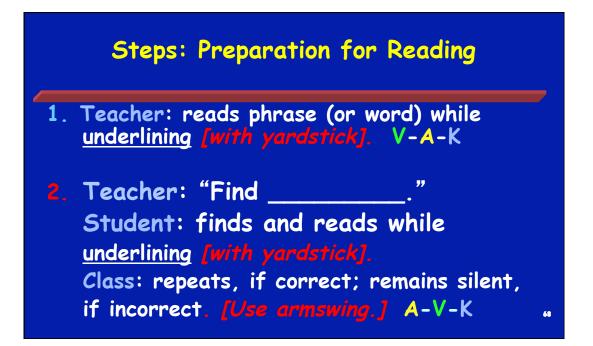
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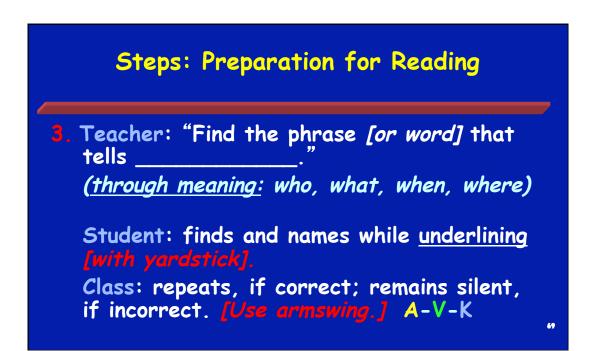


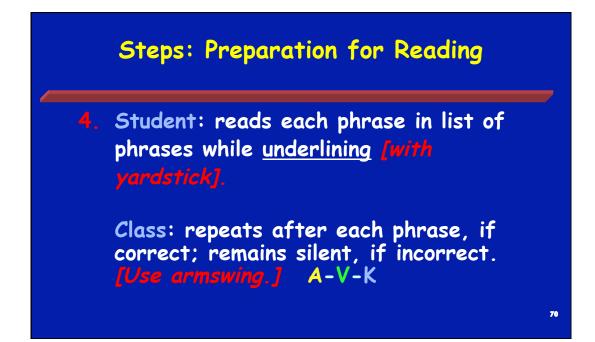
Structured Reading (Studying) Points to Remember

- The teacher <u>must</u> hear a student read orally to know if he or she is putting phrasing to functional use.
- See Assessment of <u>both</u> oral <u>and</u> silent reading fluency are equally important during the transition between 2nd grade and 4th grade (Berninger et al, 2010).



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BIG IDEAS: Enduring Understandings Structured Reading—Studying Text

- OPhrase Concept
 Ophrase Concept
 - Phrases answer specific questions.
- OPurpose of Punctuation
- ©Syntactical Relationships
 - ⊙ Word→Word
 - ⊙ Word→Phrase
 - Phrase → Clause
 - ⊙ Clause → Sentence
 - ⊙ Sentence → Paragraph



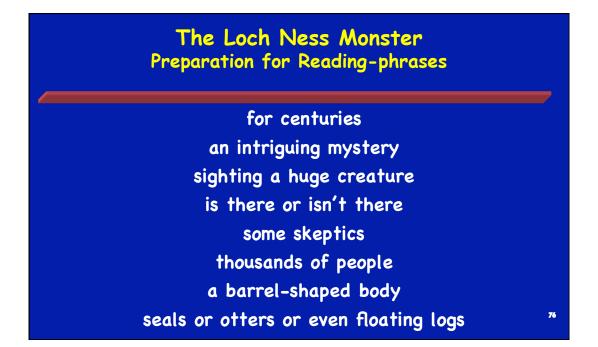


Words of Wisdom from Travis... "Once you know those prepositions, you can see 'em coming." 73

John Steinbeck on learning to read... Preparation for Reading-phrases for a thousand thousand years have existed because they gave me pain to The Acts of King Arthur and His Noble Knights written or printed the greatest single effort as a child 7

John Steinbeck on learning to read...

John Steinbeck, in his introduction to *The Acts of King Arthur and His Noble Knights*, said: "Some people there are, who being grown, forget the horrible task of learning to read. It is perhaps the greatest single effort that the human undertakes, and he must do it as a child. ... (it is) the reduction of experience to a set of symbols. For a thousand thousand years these humans have existed and they have only learned this trick—this magic—in the final ten thousand of the thousand thousand. ... I remember that words—written or printed—were devils, and books, because they gave me pain, were my enemies."

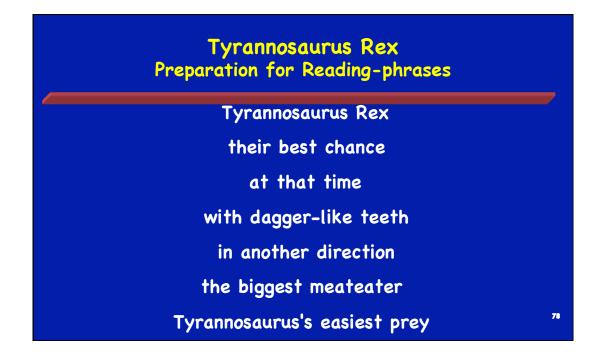


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The Loch Ness Monster

For centuries, the waters of Loch Ness in Scotland have held an intriguing mystery. Thousands of people have reported the sighting of a huge creature swimming in the lake or moving about on the shore. It has a long, snakelike neck and a barrel-shaped body. There are photographs of the water monster, but some skeptics claim that the objects in the picture are seals or otters or even floating logs.

Is there or isn't there a Loch Ness Monster ... and why is it so hard to find out for sure?



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Tyrannosaurus Rex

Tyrannosaurus Rex was the biggest meat-eater ever to walk on Earth. He was the king of his world.

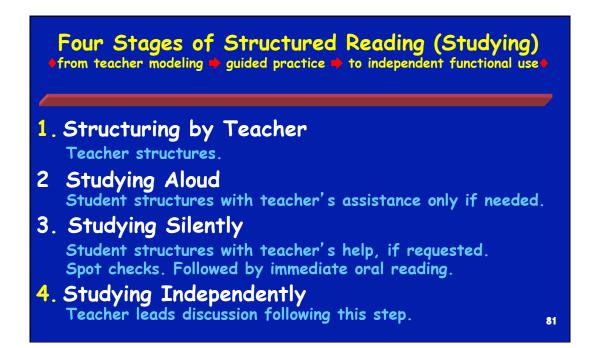
Tyrannosaurus used his huge back legs for running. His enormous tail balanced the weight of his body. He attacked his prey with the sharp claws on his back feet. He killed his prey with dagger-like teeth. His front legs were much too small and weak to help him in a struggle. He may have used these tiny front legs to help him balance when he rose from the ground—or perhaps he used them for toothpicks. ⁷⁹

Tyrannosaurus Rex

Duck-billed dinosaurs were Tyrannosaurus's easiest prey. They were plant-eaters. These dinosaurs were a little smaller and much weaker than Tyrannosaurus. Their best chance for escape was a swift dash in another direction.

All the other animals alive at that time were afraid of Tyrannosaurus Rex. He was the dreaded king of the Earth.

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"Don't Be Afraid to Fail" Preparation for Reading-phrases	
the first time	
did you hit	
heavy hitters	
English novelist	
753 rejection slips	
about the chances	
may not remember	
don't even try	82

	You've failed	R. H. Macy
	many times,	failed seven times
Don't	although you may not	before his store
	remember.	in New York
Be	You fell down	caught on.
Afraid	the first time	English novelist John Creasey
	you tried to walk.	got 753 rejection slips
Το	You almost drowned	before he published
Fail	the first time	564 books.
	you tried to swim,	Babe Ruth struck out
a message as published	didn't you?	1,330 times,
n the <i>Wall Street Journal</i> by Technologies Corporation,	Did you hit the ball	but he also hit
Hartford, Connecticut 06101	the first time	714 home runs.
	you swung a bat?	Don't worry
	Heavy hitters,	about failure.
	the ones who hit	Worry
	the most home runs,	about the chances you miss
	also strike out a lot.	when you don't even try.

