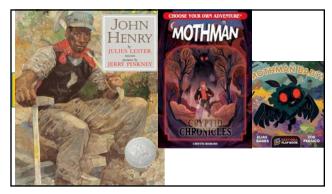
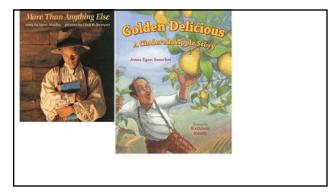
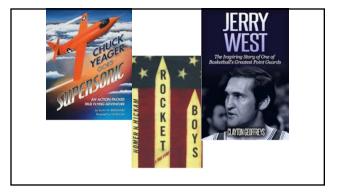


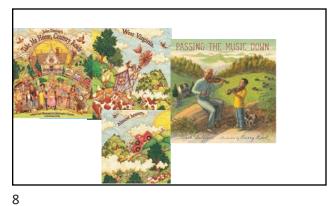
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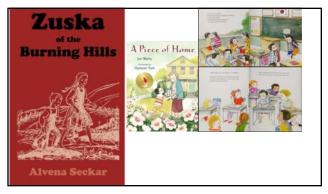




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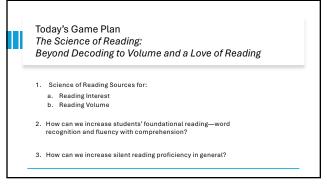




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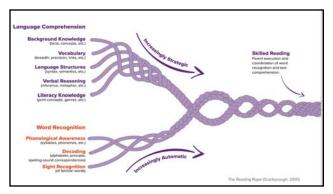






What Is the Science of Reading? "It is the body of scientific research over the last several decades that proves how the brain learns to become a skilled reader and writer. When we say something is aligned with the Science of Reading, we mean that it is aligned with the research that has proven to be effective."

15 16



1a. SCIENCE OF READING: What can we learn from the science of reading about how reading interest influences word recognition and fluency?

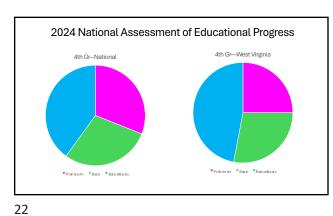
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Meta-analyses of Effects of Interest/Motivation on Learning					
Study	Participants/Context	Key Findings	Implications for Teachers		
Guthrie et al. (2007)	Elementary & middle school classroom instruction	Moderate to strong positive effects on reading comprehension & fluency	Offer students choices on texts; connect reading to real-world interests; use collaborative activities		
Schiefele et al. (2012)	Longitudinal studies with older readers	Interest leads to enduring reading motivation; intrinsic motivation correlates with better comprehension	Use engaging, topic-relevant texts; foster curiosity & personal connection to reading content		
Toste et al. (2020)	132 correlational studies (690,000 students, K-12)	Strongest link between beliefs about self as a reader (r = .28) & intrinsic motivation (r = .32).	Support students,, especially struggling readers, to see themselves as capable readers by providing texts of interest; creating choice in reading; & highlighting growth.		

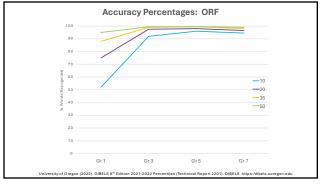
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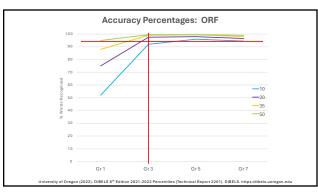
1b. What can we learn from the science of reading about how reading volume influences word recognition and fluency?

| The content of the science of the science of reading volume influences word recognition and fluency?

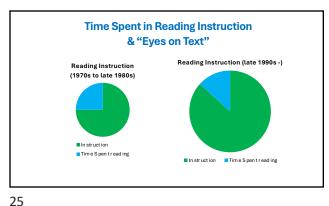


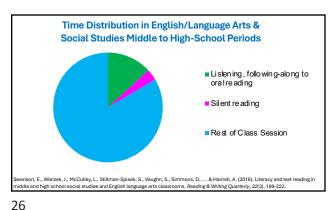
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"An important and alarming new book," — New York Times MARK SEIDENBERG LANGUAGE AT THE SPEED OF SIGHT HOW WE READ, WHY SO MANY CAN'T, AND WHAT CAN BE DONE ABOUT IT

Reading Volume from a Cognitive-Scientific Perspective

"Readers become orthographic experts by absorbing a lot of data, which is one reason why the sheer amount and variety of texts that children read is important... Major statistical patterns emerge as the child encounters a larger sample of words.... We don't study orthographic patterns in order to be able to read; we gain orthographic expertise by reading." (p. 92)

Top Triad: 95 - 66P1 X = 143 WCPM; 100% Accuracy

We eat lots of fresh vegetables at our house. Mom is an excellent cook and she has lots of recipes for making them taste delicious. Sometimes they are expensive to buy at the store so Dad suggested we grow our own.

Dad asked all the members of my family what our favorite vegetables were. I said carrots, broccoli, and beans. My mother likes tomatoes the best. Dad said he wanted to grow green onions, spinach, potatoes, and corn.

We went to the hardware store and bought seeds and little broccoli and tomato plants. We all helped prepare the garden in our backyard. We all helped prepare the garden in our backyard. We turned over the dirt with shovels. Then we used a hoe to make little ditches for planting the vegetable seeds. We dug deeper holes for the broccoli and

University of Oregon, Center on Teaching and Learning. (2022). DIBELS* 8th Edition 2021–2022 percentiles (Technical

27

Middle Triad: 65 to 36P X = 110 WCPM, 99% Accuracy

We eat lots of fresh vegetables at our house. Mom is an excellent cook and she has lots of **recipes** for making them taste delicious. Sometimes they are expensive to buy at the store so Dad suggested we grow our own.

Dad asked all the members of my family what our favorite vegetables were. I said carrots, broccoli, and beans. My mother likes tomatoes the best. Dad said he wanted to grow green onions, spinach, potatoes, and corn.

We went to the hardware store and bought seeds and little broccoli and tomato plants. We all helped prepare the garden in our backyard. We turned over the dirt with shovels. Then we

Bottom Triad--35thP 96 WCPM; 97% Accuracy

We eat lots of fresh vegetables at our house. Mom is an excellent cook and she has lots of **recipes** for making them taste delicious. Sometimes they are expensive to buy at the store so Dad suggested we grow our own.

Dad asked all the members of my family what our favorite vegetables were. I said carrots, **broccoli**, and beans. My mother likes tomatoes the best. Dad said he wanted to grow green onions, spinach, potatoes, and corn.

We went to the hardware store and bought seeds and little broccoli and tomato plants. We all helped prepare the garden in our backyard. We all helped

29 30

Elfrieda H. Hiebert 5

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Bottom Triad—15thP:
72 WCPM, 94% accuracy

We eat lots of fresh vegetables at our house. Mom is an excellent cook and she has lots of recipes for making them taste delicious. Sometimes they are expensive to buy at the store so Dad suggested we grow our own.

Dad asked all the members of my family what our favorite vegetables were. I said carrots, broccoli, and beans. My mother likes tomatoes the best. Dad said he wanted to grow green onions, spinach, and potatoes

31

An Illustration of Reading Volume If students at the 35thP & 15thP1 read these amounts daily, 12 min. of daily readin 35thP 15thP 35thP 15thP 31,500 54,000 85,940 54,188 186,300 114,660 85,680 232,380 146,880 232,100 153,728 472,860 279,000

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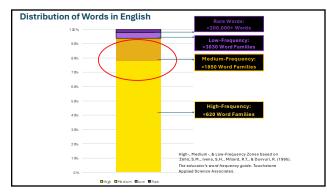
Predictions of How Often Students Have **Encountered Words Based on Reading Volume** 3rd Gr. 35th P 3rd Gr. 15th P •Mom is an excellent cook and .10 .20 she has lots of .75 recipes for making them taste 1.25 delicious. • I said carrots, broccoll and beans.

1. What can we learn from the science of reading about how reading interest and reading volume influence reading proficiency?

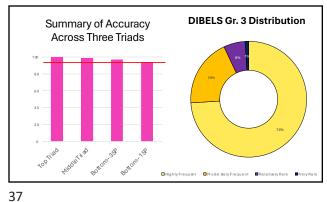
Answers?

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How can we increase students' foundational reading—word recognition and fluency with comprehension—while building background knowledge & interest in reading?



35 36



What is the likelihood that current text diet will change word recognition of bottom triad?

Typical Third-Grade Diet: 3.5.1

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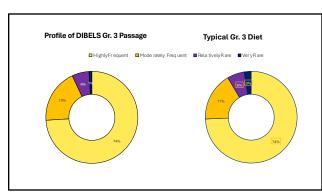
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Grade 3.5.2

Grade 3.5.3

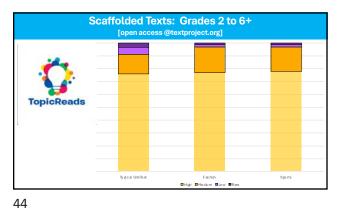
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Grade 3.5.4



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Support for fluency, vocabulary, and comprehension:
Scaffolded Texts

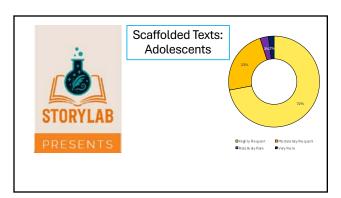


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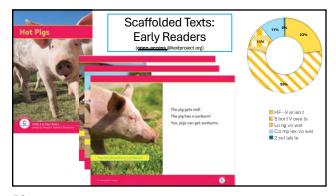
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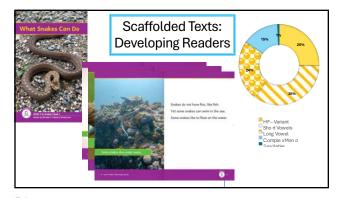


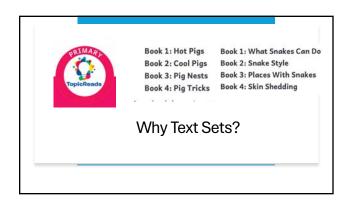


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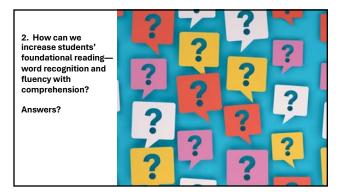


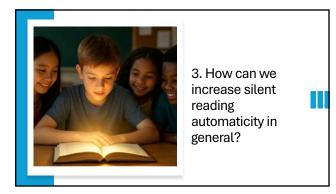




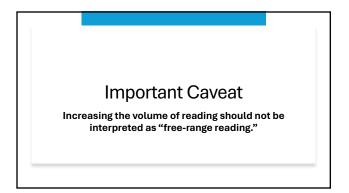


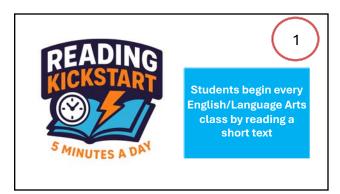
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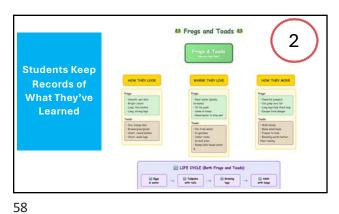


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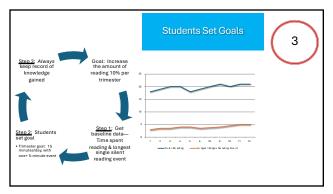






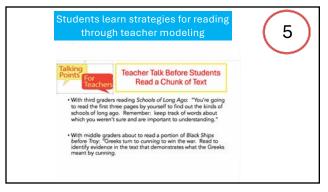


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Students learn how language works

Use illustrations to demonstrate:

6

- About 92 94% of words in texts are from a small group.
- •1 -2 of other words are likely proper names. If you can't pronounce the name, make one up.
- Of the other rare words, many are ones you use in conversations.

61

62

Big Moon Tortillas (Gr. 3 Narrative) The head of Marta Enos was filled with the knowing of fresh tortillas. Oh, that sweet, crisp, little bit burnt smell! It went to Marta's stomach, which rumbled and growled, and then on down to her feet, making her toes twitch towards the cookhouse. The legs of Marta Enos would not wait another minute. They were in such a hurry to run to the cookhouse that they knocked over Marta's table, and that is when a disaster happened. The homework papers with their neat writing and beautiful drawings went out the window onto the breath of the fussing wind.

Beatrix Looks at Lichens

(Gr. 6 Narrative

At first glance, lichen on a tree looks like a gray green, mossy stain. But a peek under the microscope reveals something extraordinary. It's not one living thing, but two—a partnership of very different life forms.

Lichens may look like plants, but they re not even half plant. bacteria. Back in the 1880s, most people did not believe the German scientist who first suggested this. But one person who did agree was Beatrix Potter, the writer and artist who created Peter Rabbit.

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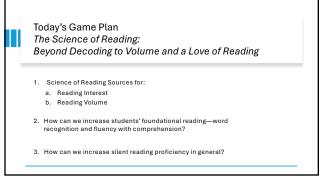
(Gr.10 Narrative) The New Year approached and in every house in the village there were preparations. Wang Lung went into the town to the candlemaker's shop and he bought squares of red paper on which were brushed in gilt ink the letter for happiness and some with the letter for riches, and these squares he pasted upon his farm utensils to bring him luck in the new year. Upon his plow and upon the ox's yoke and upon the two buckets in which he carried his fertilizer and his water, upon each of these he pasted a square.

The Good Earth

3. How can we increase silent reading proficiency in general?

Answers?

65 66





Summary of efficacy of Scaffolded Texts on Automaticity and Comprehension
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Guthrie, J. T., Hoa, A. L. W., Wigffeld, A., Tonks, S. M., Hurmerick, N. M., & Littles, E. (2007). Reading motivation and reading comin the later elementary years. Contemporary educational psychology, 23(3), 822-313.

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Sincerest thank you for your time & commitment to our students and their future! hiebert@textproject.org

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