

Building on Their Strengths: The Vocabulary Edge for English Learners

Elfrieda H. Hiebert

TextProject

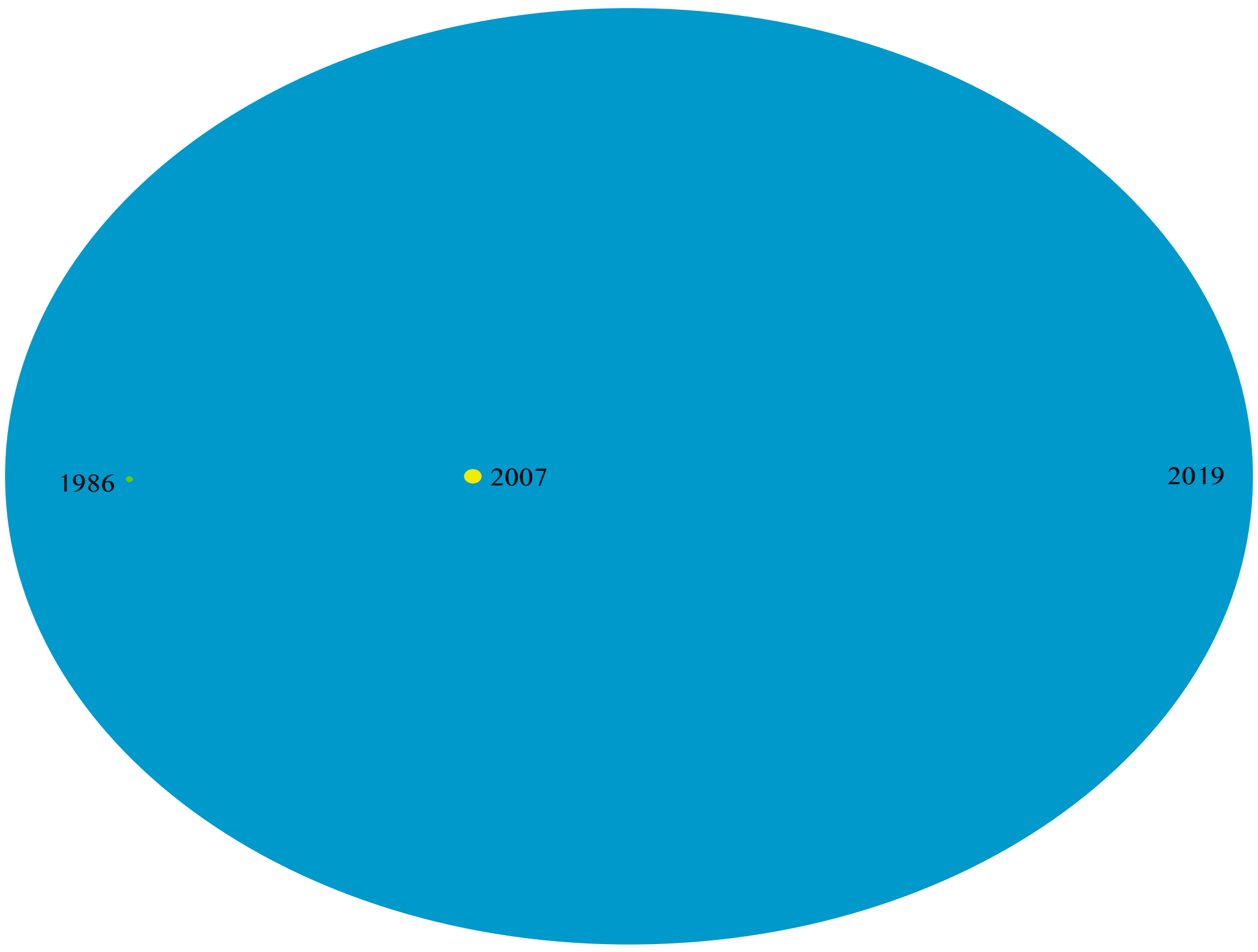


Overview

- Humankind's knowledge is stored in text. We read to learn—both stories and information.
- Words are the labels for concepts that underlie knowledge. 2,500 word families account for the majority of words in texts.
- These families represent major bodies of knowledge & English's linguistic systems.
- English Learners need ELA instruction that focuses on world and word knowledge.

GPS

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1986

● 2007

2019



CHAPTER 9

Different Labels But the Same Concepts

English Learners

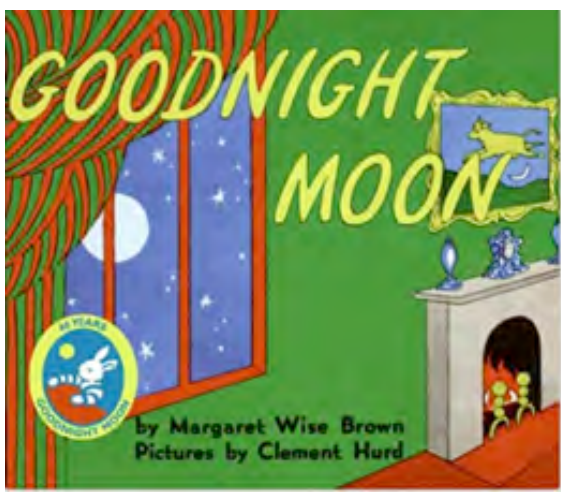
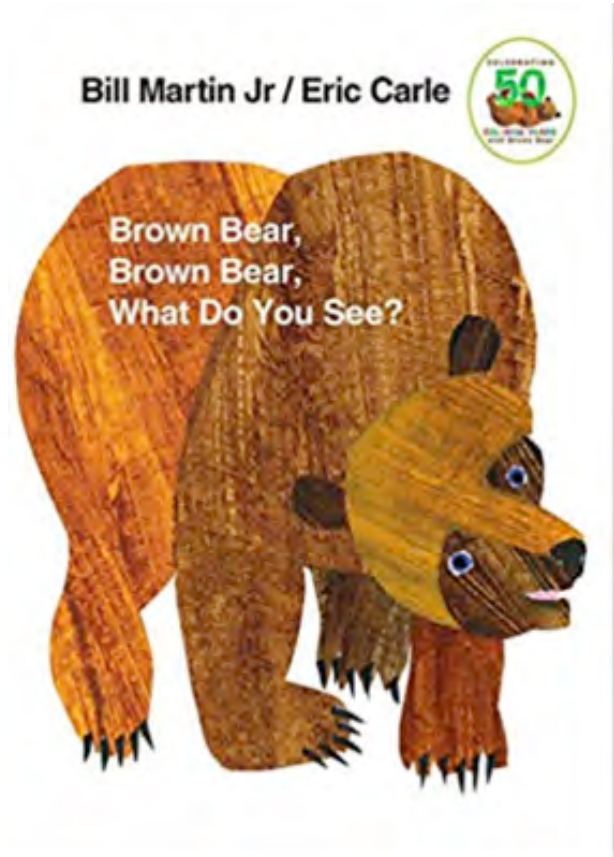
Example 1: "I'm going to catch a crab today," yelled Sailor Paul. Soon his nets were full and taut, and Paul hauled them up on the deck. "Get away, sifly squid," scolded Sailor Paul. "Don't sprawl on my yawl!" (Sailor Paul and the Crabs, Paulson, 2000)

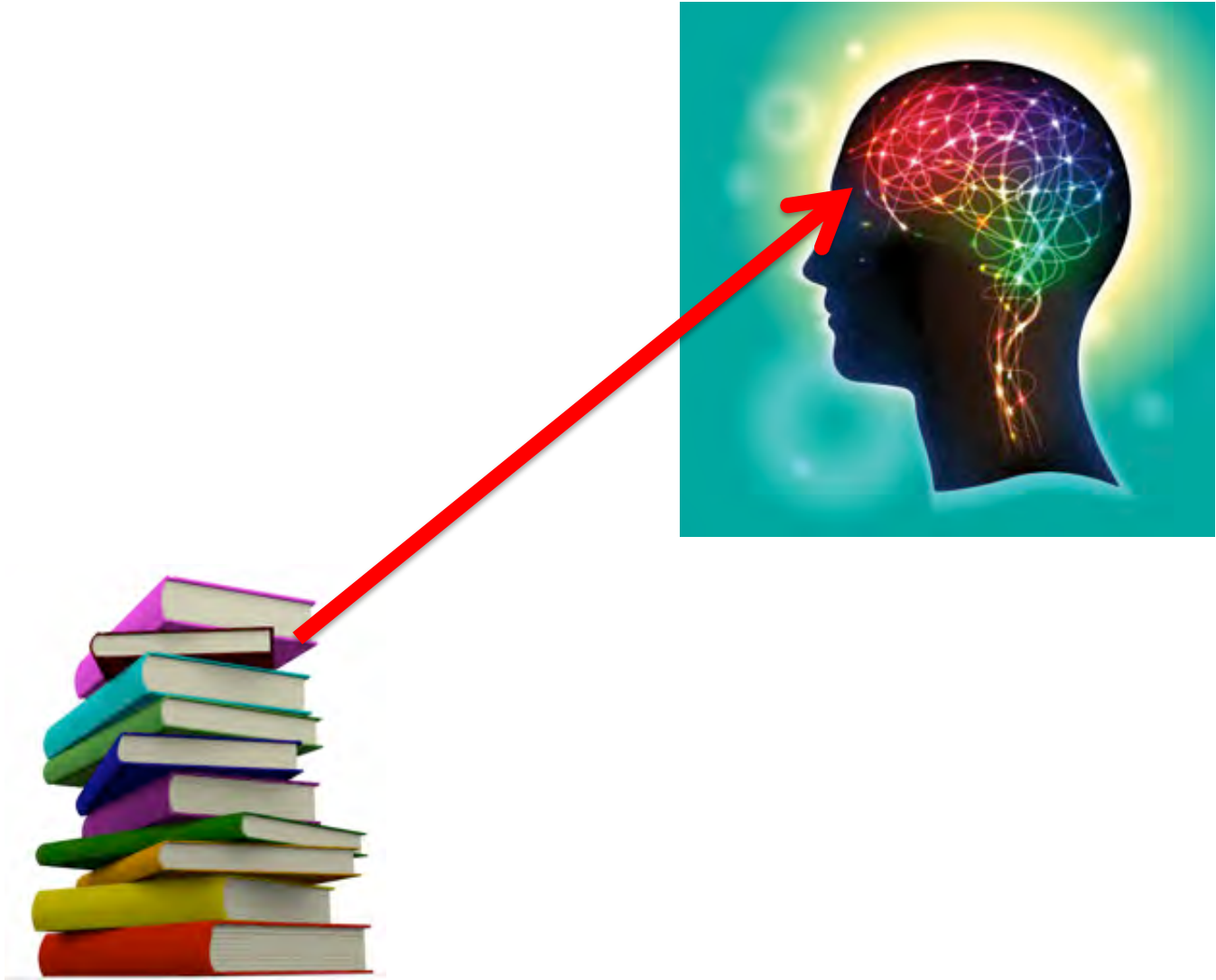
Example 2: The children are drawing pictures. Ann draws a green lawn. What's on the lawn? A little deer or a fawn is on the lawn. Ben draws a pile of yellow straw. What is in the straw? A fawn lies in the straw. (Drawing Pictures, Hebert, 2019)

In the United States as we approach a new decade—2020—about 10% of our students enter school speaking native languages other than English (McFarland et al., 2018). English learners (ELs) may not have English labels for concepts, but they do have labels for concepts in their native languages. In the usual materials and approaches of English/Language Arts, ELs are asked to learn to read words for which most young children do not have associated meanings in their native language, such as *taut* and *yawl* in Example 1. Instructional demands such as those represented by the first excerpted text can intensify the challenge for ELs. Example 2 illustrates a text where students' knowledge of activities (e.g., drawing) and aspects of nature (e.g., animals, growing things) are the foundation for learning new concepts such as *fawn* and *lawn*.

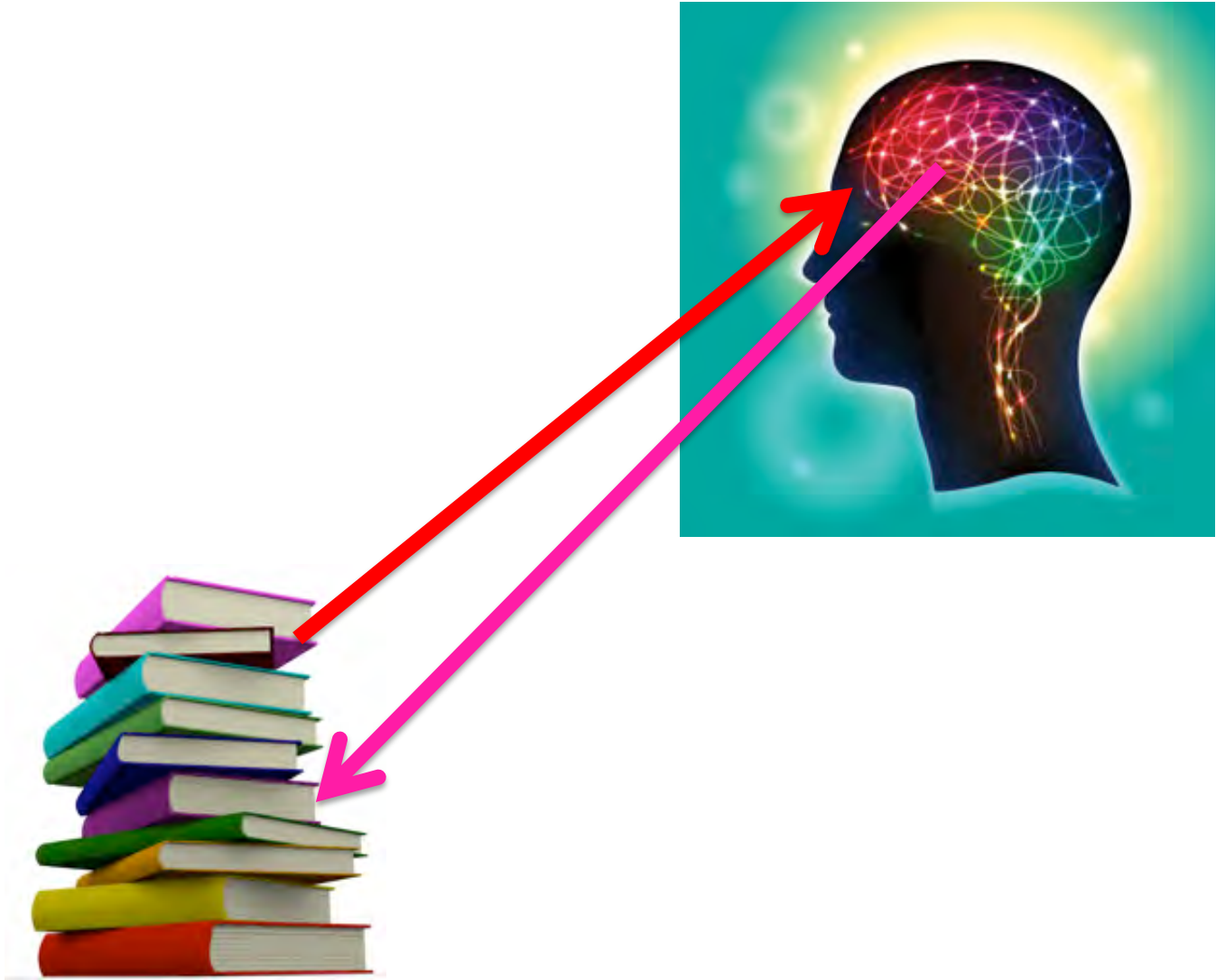
Additionally, evidence points to strengths of ELs, such as their acuity in attending to the sounds of language, which often are not recognized in schools. This chapter develops a perspective in which strengths that ELs bring to language learning are the foundation for the design of learning experiences for those students and in which











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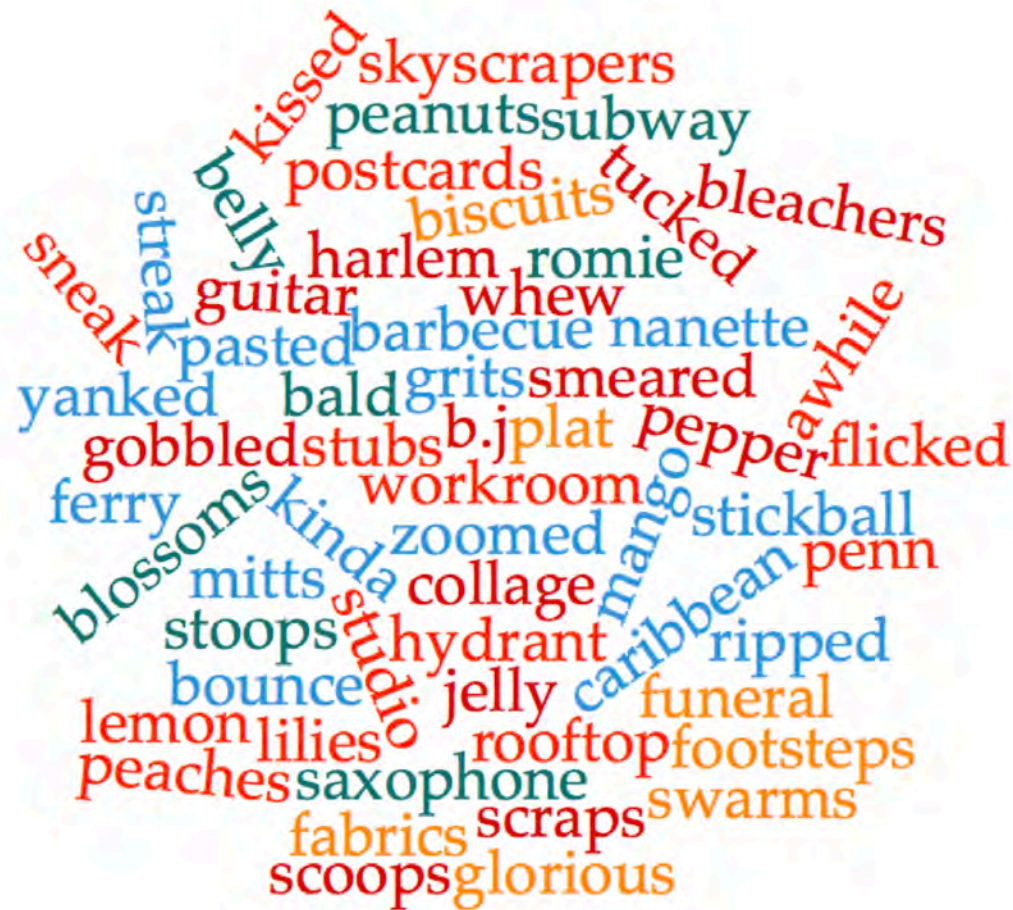


Oxford English Dictionary

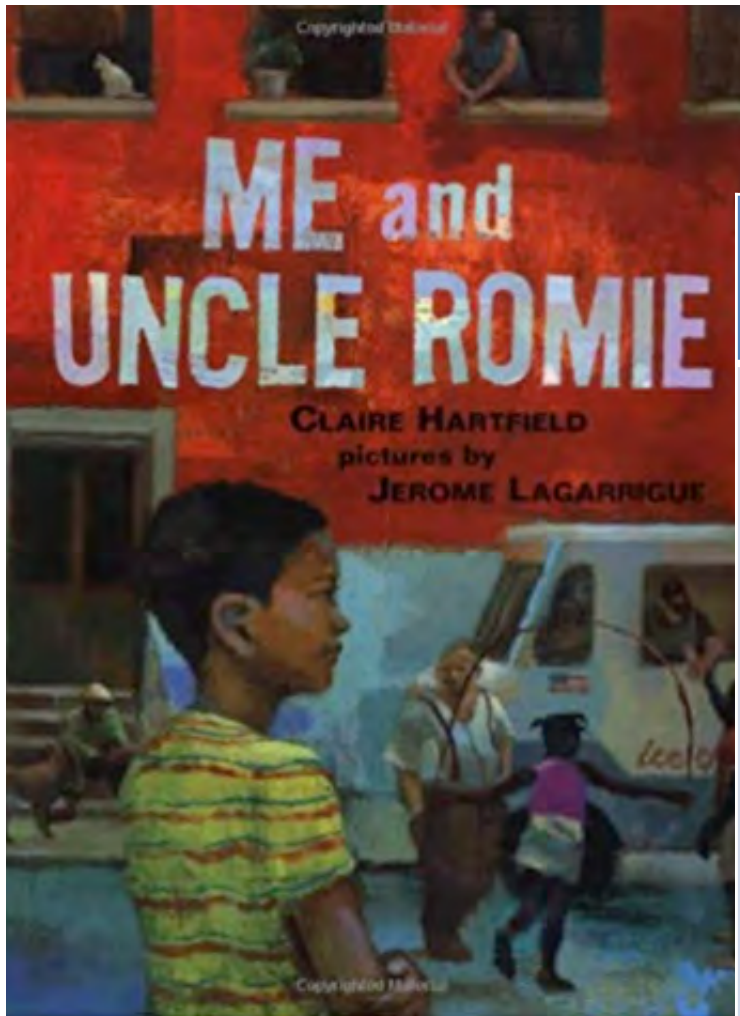
- 282,500 root or head words
- 326,000 derivatives & phrases
- 47,150 obsolete words



- Of 601 unique words, 11% are rare in written English
- In every 100 words, there are 8 rare words.



Typical Choices



Houghton Mifflin Harcourt
(Baumann et al. (2014))

Scott Foresman
(Afflerbach et al., 2013)

ruined



ruined

feast



feast

model

cardboard

concerned

fierce

schedule

flights

yanked

pitcher

streak

treasure

smear

stoops

glorious

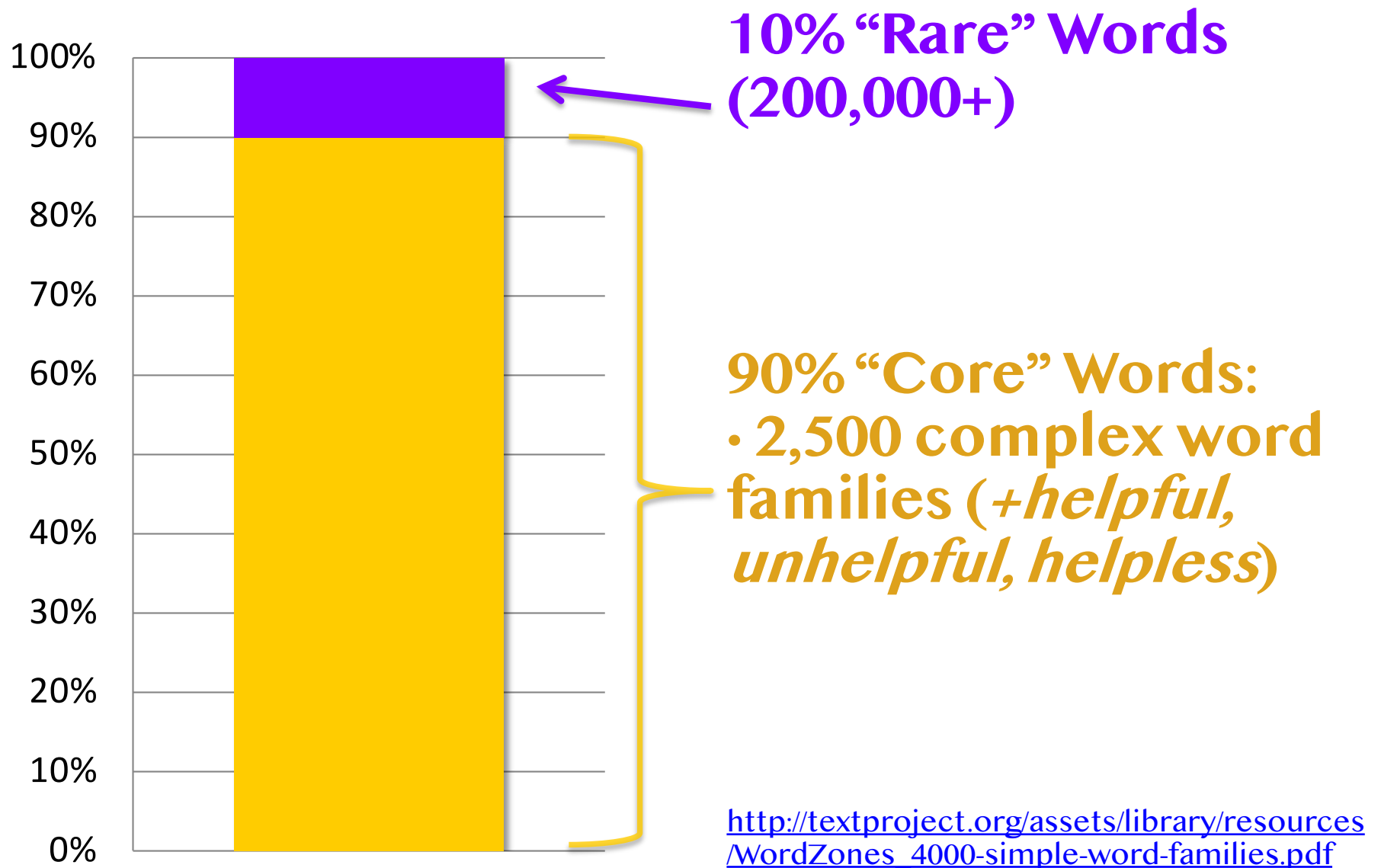
studio

A photograph of a large library bookshelf filled with books. The shelves are densely packed with books of various colors and sizes. The text "10,000 texts" is overlaid in the center in a large, bold, red font. The background is slightly blurred, emphasizing the text.

10,000 texts

Word	How many times word appears in text	Word Length	Ufunction (Predicted appearances for a million words of text)	Supercluster	Age of Acquisition	Complex Morphological Family U	Mean Concreteness Rating
ruined	1	6	1333a.3		7.16	34.6445	2.96
feast	1	5	136a.2		7.81	15.8756	4.3

Numbers of English Words that Account for All Words in Texts

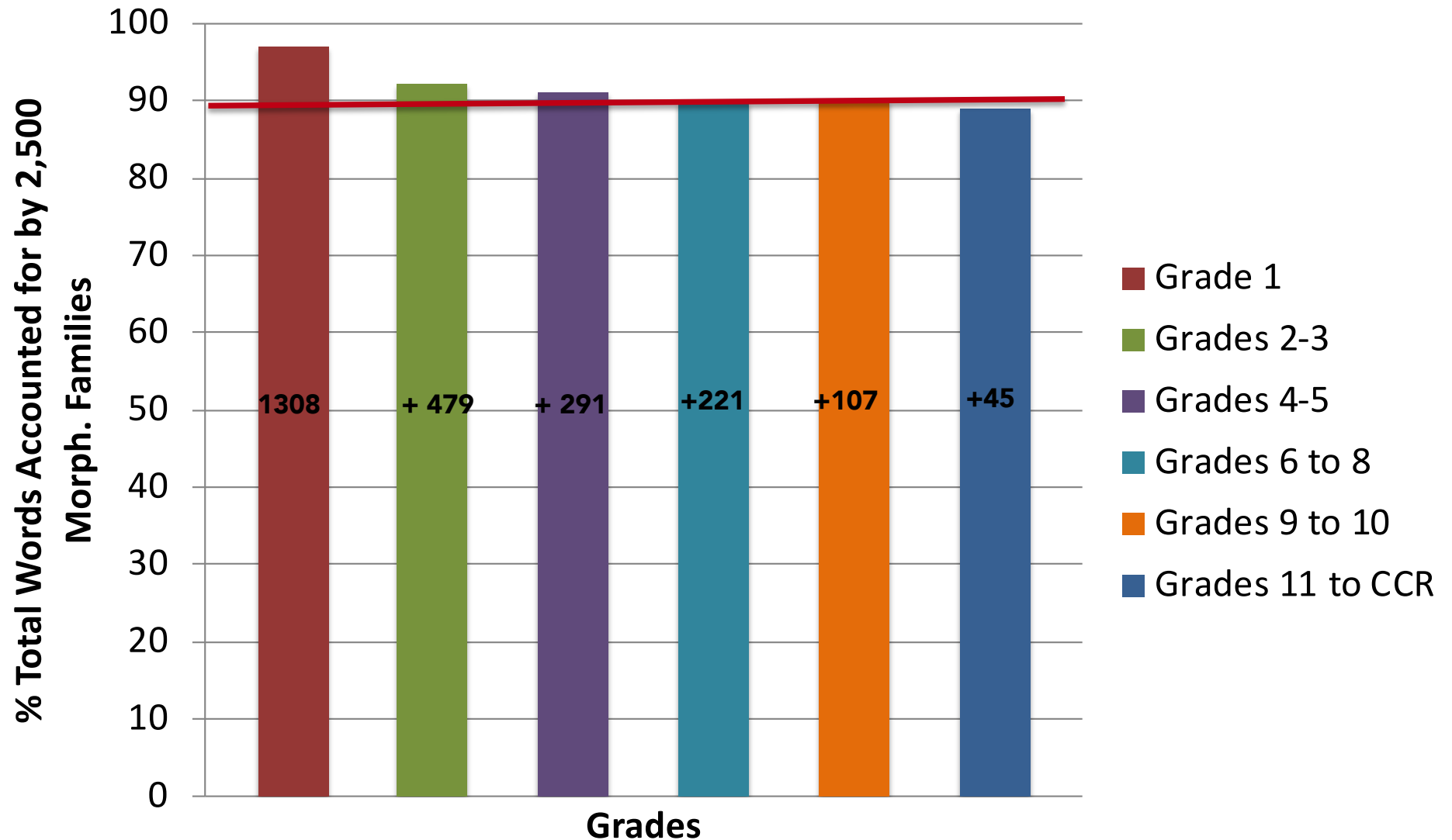


Common Core Exemplars



Analysis of a Million Word Corpus

(Exemplars from Common Core State Standards)



Examples of the Words in the Core Vocabulary

	words
1st 100	the, by, no, through, must
101-300	long, great, put, last, family
301-1,000	power, north, story, strong, answer
1,001-1,500	valley, imagine, motion, nearby, importance
1,501-2,000	character, responsible, design, presence, trail
2001-2,500	mixture, discovery, civilization, attitude, assume

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1. Topic Knowledge

Health & Human Body

- muscles
- ill
- germs

Places & Dwellings

- market
- ceiling
- curtains

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- muscles
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- market
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Animals

- mammals
- frog
- dragon

1. Topic Knowledge

Jobs

- mayor
- boss
- principal

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Machines

- tools
- motor
- technology

Animals

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- frog
- dragon

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2. MORPHOLOGICAL KNOWLEDGE



2. Morphological Knowledge

GREEK/ LATIN

Technical words
New words by com-
pounding: graph, para-
graph (s), photograph (s),
telegraph

ROMANCE

Most literacy and academic words
New Words through derivations:
separate, separates, separating, separ-
ated, separation, separately, separable

ANGLO-SAXON

Common, everyday, down-to-earth words
New words through compounding:
field (s), airfield (s), battlefield (s), cornfield (s)

3. Multiple Meanings

A triangle is a **shape**. A circle and a square are **shapes**, too.

Regular exercise helps people get in better **shape**.

In fact, an idea took **shape** in the jackal's mind right away.

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I. Recognizing students' knowledge in their native languages and using this knowledge to build new understandings

Scholastic W.O.R.D. Theme Map



Texts of a *Typical* Literacy Program*

[Grade 2]



*Texts from Leveled Literacy Intervention, Heinemann

Texts of a *Knowledge Literacy Program**

[Grade 2]



*Texts from W.O.R.D., Scholastic

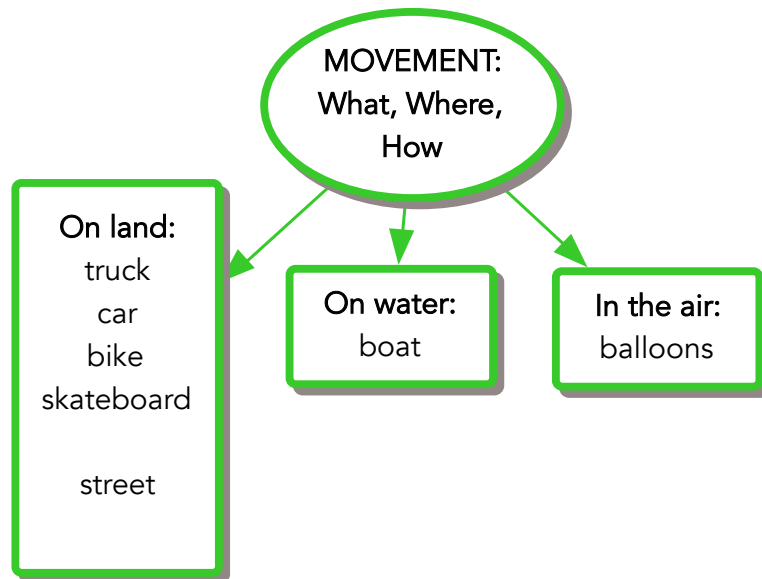
Comparison of Two Text Types

(# of words in each: 11,400)

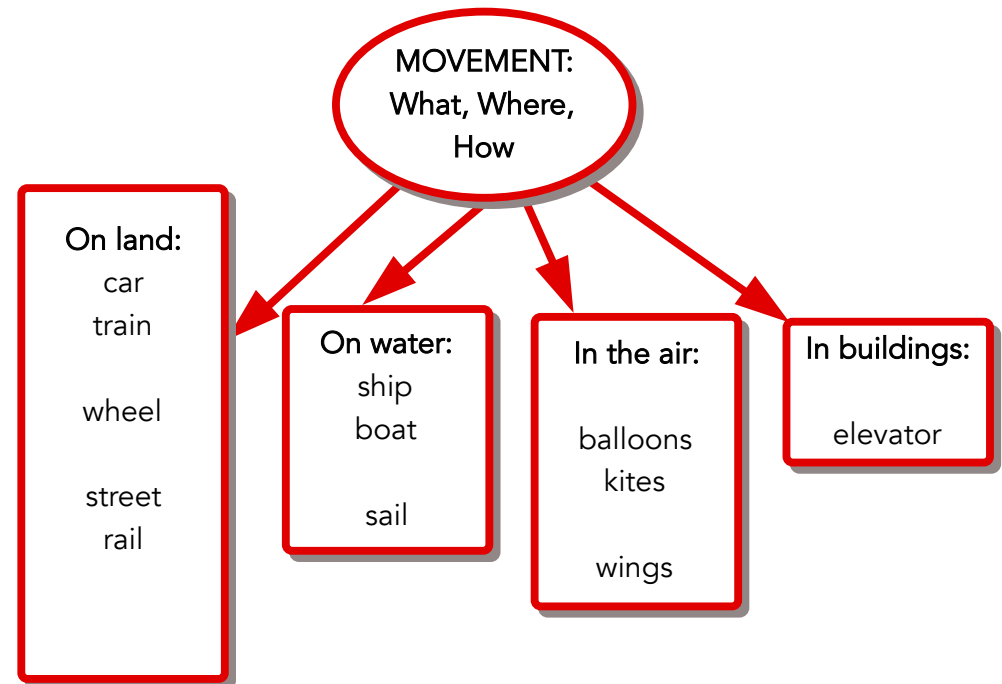
	Typical	Knowledge-Based
# unique words	1,718	1,332
# word families with more than one family member	225	501
% words outside 2,500 Word Families	6%	4%

Size of Critical Semantic Clusters (words with 3+ repetitions)

Typical Program

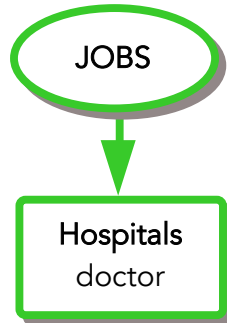


Knowledge-Based Program

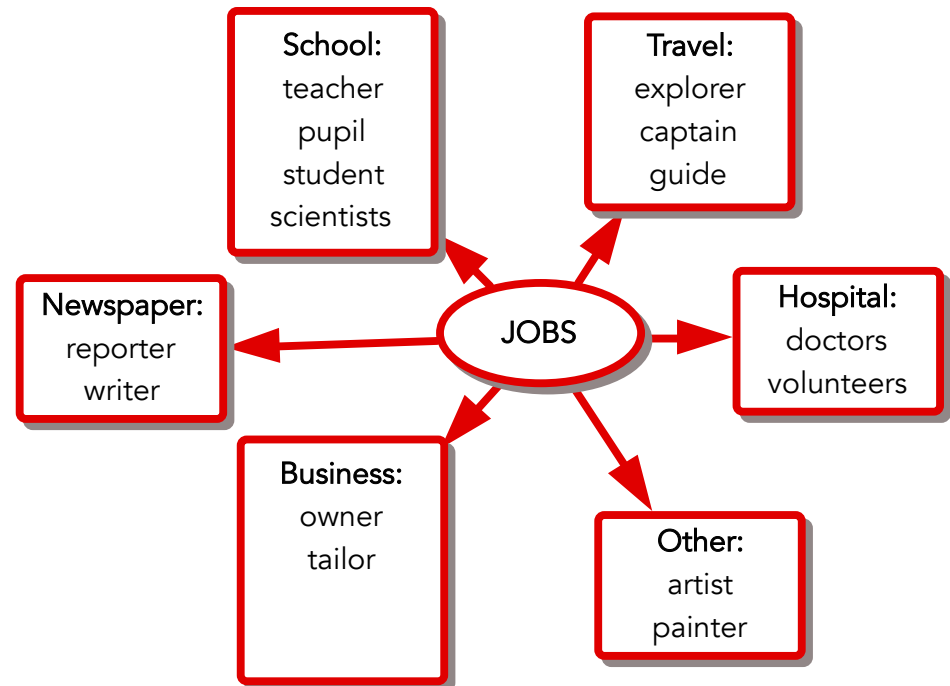


Size of Critical Semantic Clusters (words with 3+ repetitions)

Typical Program



Knowledge-Based Program



W.O.R.D. Theme 6: On the Move

	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Fiction	A colorful illustration of a red cardinal perched on a tree branch with the text "Up in the Air!" written in a playful font. Up in the Air!	An illustration of two children sitting at a desk with a thought bubble above them showing them running, with the text "Let's Get Moving!" written below. Let's Get Moving!	An illustration of a cowboy riding a horse through a swirling vortex, with the text "Pecos Bill Rides a Twister" written on the left. Pecos Bill Rides a Twister	An illustration of a woman in a white shirt and brown pants running, with the text "THE RACE TO WIN" written above her. The Race to Win	An illustration of a man in a hat and overalls fishing from a boat on a river, with the text "A Fish Tale" written below. A Fish Tale	An illustration of four colorful dragons in a landscape, with the text "The Four Dragons" written at the top. The Four Dragons
Nonfiction	A photograph of a red semi-truck on a highway with the text "Go! Go! Go!" written in large, bold letters. Go! Go! Go!	A photograph of a person riding a bicycle on a path with the text "MOVE IT!" written in large, bold letters. Move It!	A photograph of a roller coaster with the text "NEW RIDES!" written in a curved font above the ride. New Rides!	A photograph of a high-speed train with the text "FAST, FASTER, FASTEST" written in a curved font above the train. Fast, Faster, Fastest	A photograph of a sailboat on a body of water with the text "CLEAR WATERS" written in blue letters above the boat. Clear Waters	A photograph of a Mars rover on the surface of Mars with the text "JOURNEY TO MARS" written in white letters above the rover. Journey to Mars

*Texts from Scholastic W.O.R.D.

W.O.R.D. Theme 4: It's My Job

	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Fiction	 <p>Mabel, Mabel, Set the Table!</p>	 <p>Ruby and Fred</p>	 <p>Look Out Below!</p>	 <p>Stone Soup</p>	 <p>Fit to Print</p>	 <p>Work, Hercules, Work!</p>
Nonfiction	 <p>Lend a Hand</p>	 <p>GOOD JOB!</p>	 <p>Do You Want to Be a Teacher?</p>	 <p>DOWN ON THE FARM</p>	 <p>Not The Real News</p>	 <p>SMART MILKING</p>

*Texts from Scholastic W.O.R.D.



Transportation—

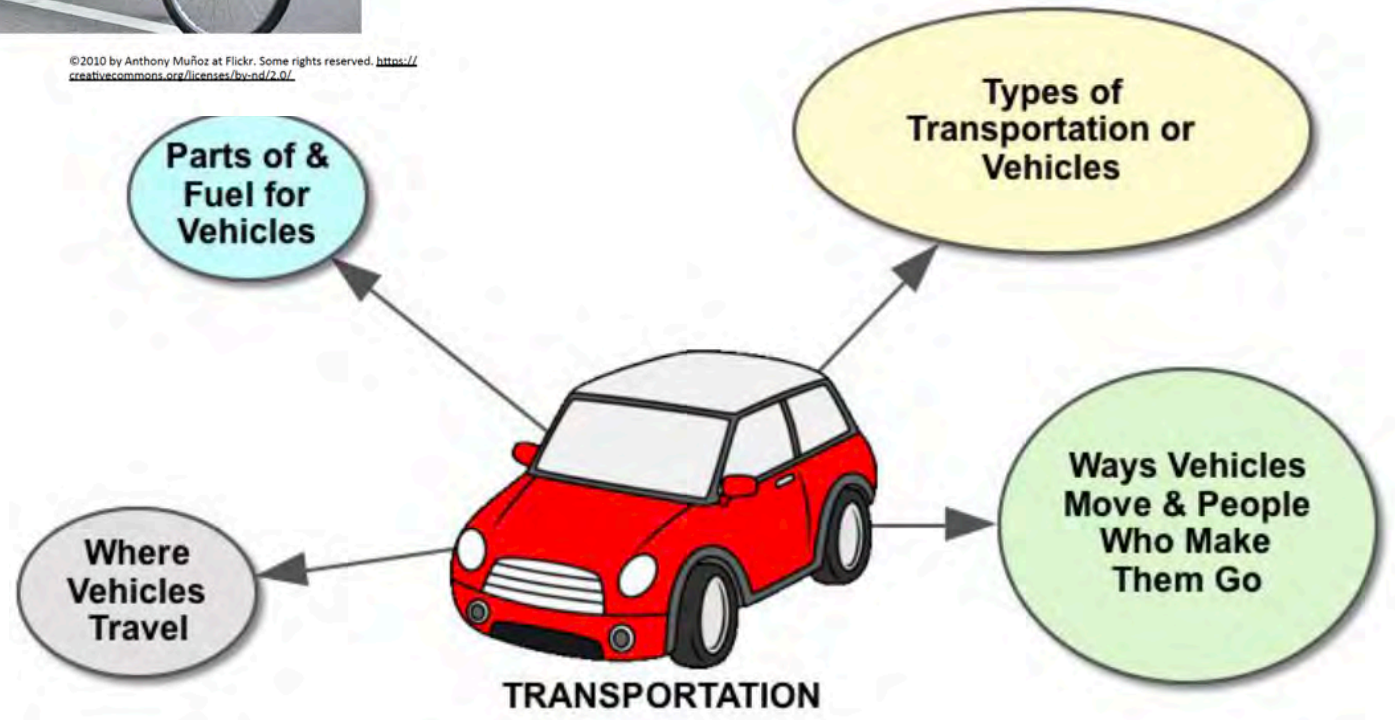
Types of Transportation or Vehicles



For more information about TextProject, visit www.textproject.org
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© 2010 by Anthony Muñoz at Flickr. Some rights reserved. <https://creativecommons.org/licenses/by-nd/2.0/>

TextProject provides sets of pictures for core vocabulary





bus
(bus)

jet (jet)



Photo: Fat Albert, the support aircraft for the US Navy Blue Angels flight demonstration team. August, 2005. Released into public domain by the United States Navy (Blue Angels).

truck

(truck)





van
(van)

van

fan



ran



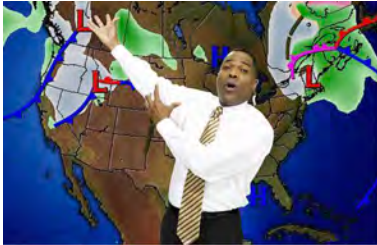
man



man



weatherman



mailman

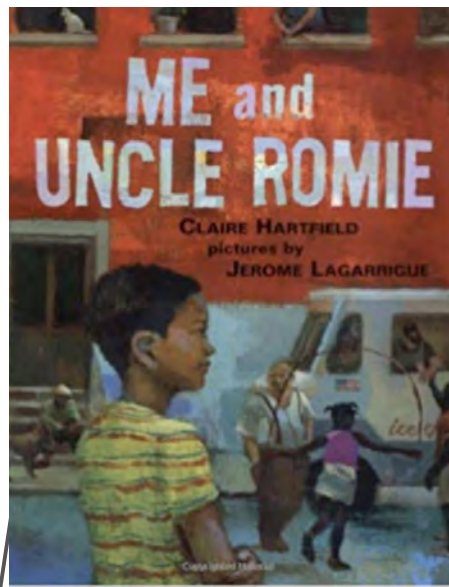


salesman





2. Lessons on How Words Work

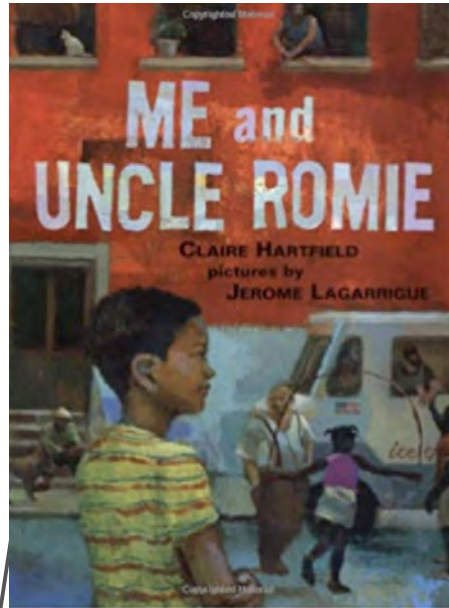


*Me and Uncle
Romie:*
compound words

- skyscrapers
- workroom
- cardboard
- underground
 - doorway
 - stickball
- bald-headed
- home run

- photographers
- subway

- train schedule
- fire escapes
- pepper jelly
- fierce-eyed
- postcards

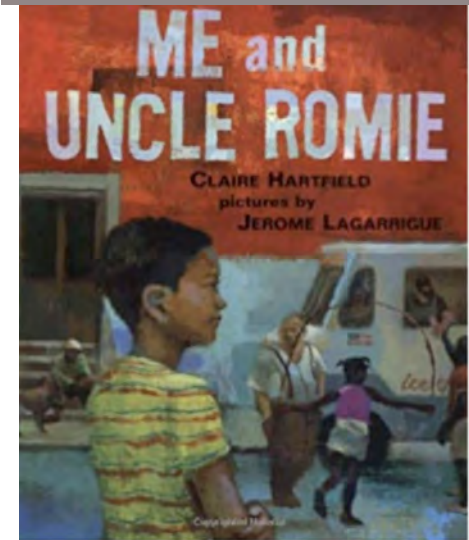


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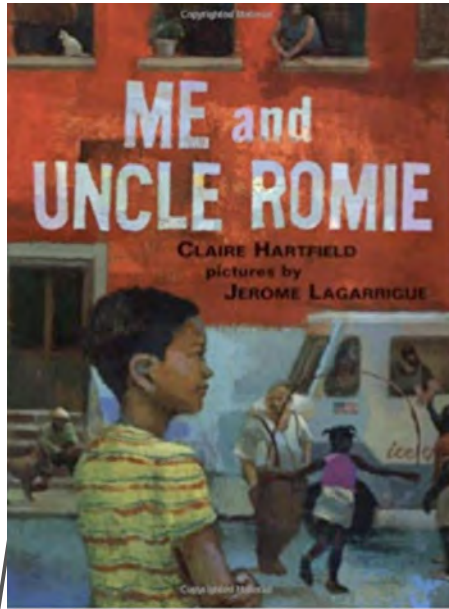
- train schedule
- fire escapes
- pepper jelly
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Me and Uncle Romie:
Places

- avenue
- ferry
- hydrant
- stoops
- bleachers
- platform
- skyscrapers
- studio
- neighborhood
- underground

- Penn Station
- Harlem
- Statue of Liberty
- Carolina
- Caribbean
- Chicago



Me and Uncle Romie:
compound words

ruined
feast
model
concerned
schedule
yanked
streak
smeared
glorious
studio

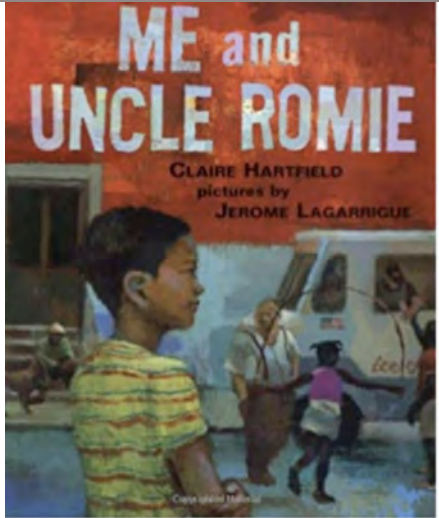
Penn Station
Harlem
Statue of Liberty
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- postcards

ruined
feast
cardboard
fierce
flights
pitcher
treasure
stoops



Me and Uncle Romie:
Places

avenue ferry
hydrant stoops
bleachers platform
skyscrapers studio
neighborhood
underground

3. Conversations About the Core Vocabulary and Students' Capacity with it



Grade 1*

It was a cold, snowy day. Abby had *invited* two friends over to play the card game, Go Fish. Abby's little brother, Tim, had never played and wanted to learn.

"I'll *explain* during this game," said Abby.

Abby showed Tim the cards in her hand, which had *different numbers* on them. Abby explained that she needed to get all four cards with the same numbers.

Abby's friend Jen asked Abby if she had any tens. None of Abby's cards had tens on them. She *replied* "Go fish," which meant Jen had to draw a card from the *deck*. Now it was Abby's turn

*Texts from DIBELS, End-of-year

Grade 3

I have a new friend at school. She can't walk so she uses a wheelchair to get around. She comes to school in a special van that can transport four people who use wheelchairs. The van brings my friend and another boy to school. My friend is in third grade with me and the boy is a fourth grader.

I like to watch my friend get in and out of the van. The driver pushes a button and part of the van floor lowers to the driveway to form a ramp. My friend just wheels up the ramp and goes inside. After she is inside, the driver pushes the button and the ramp puts itself away.

Grade 5

Every day, tourists flock to see special places around the world. One place that is special because it is so old is the site of the ruins of an ancient city in Mexico.

The **Mayan** people built this ancient city more than one thousand years ago. The site covers four square miles. The structures that were left behind show that this community was once **thriving**. Many scientists have come to this location and tried to solve the mysteries of the city. They have **excavated** the ruins and carefully restored as much as they could.

One question that is still unanswered is why there are two styles of **architecture** in the city.

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