Veni, Vidi, Vici Vocabulary!

Conquering Vocabulary through Morphology Instruction ...And More







LEVEL 3

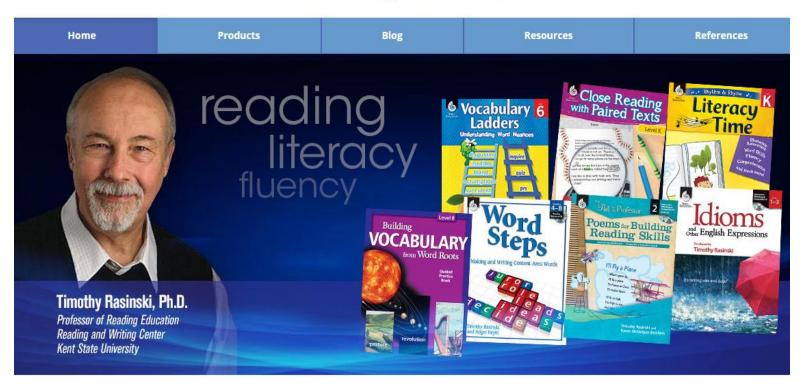
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Timothy Rasinski



Biography

Timothy Rasinski is a professor of literacy education at Kent State University and director of its award winning reading clinic. He has written over 200 articles and has authored, co-authored or edited over 50 books or curriculum programs on reading education. He's



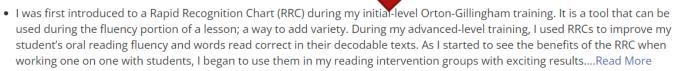
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Blog

Using Rapid Recognition Charts - July 2023



Connecting the Dots Between Interactive Writing and Decodable Texts: Literacy Solutions/Lasting Impact – July 2023

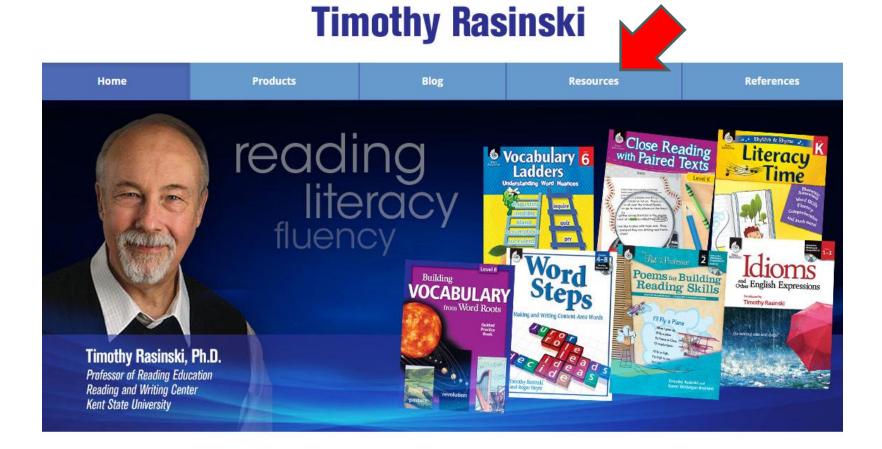
When phonics instruction is done with high-leverage instructional practices, using interactive writing, and decodable texts, the
impact is palpable and leaves plenty of time for other types of reading and writing experiences, imaginative play, and knowledgebuilding across the curriculum. Learn why this type of deliberate practice is essential in getting all of our children to decode and
encode with automaticity....Read More

Becoming My Dad - June 2023

• Because of the kindness and support with which my dad inspired me, I have gained the confidence to invest in others while creating a synergy of positive goodness in my students and my colleagues. The pride that I take in my students' accomplishments is similar to that which my dad always took in my accomplishments. I am proud to say that even though this journey still has many



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Biography

Timothy Rasinski is a professor of literacy education at Kent State University and director of its award winning reading clinic. He has written over 200 articles and has authored, co-authored or edited over 50 books or curriculum programs on reading education. He's



Timothy Rasinski

Home Products Blog Resources Refe

Professional Development

- Study Guide for Building Vocabulary with Greek and Latin Roots, (2nd Edition)-Tim Rasinski, Nancy Padak, Rick M. Newton, Evangeline Newton
- Tim Rasinski's Handouts for Professional Development: From Phonics to Fluency to Proficient Reading
- Building Vocabulary Professional Development Video
- Tools to Teach Academic Vocabulary Webinar

Research

- Building Vocabulary Pilot Research Report
- The Latin-Greek Connection Building Vocabulary through Morphological Study
- Building Vocabulary White Paper
- Building Vocabulary Frequently Asked Questions

Articles

- A Little Latin and a Whole Lot of English
- Building Vocabulary in Summer School





Twitter @timrasinski1 or



email me at trasinsk@kent.edu

Monday Morphology (Word Root Teasers)

Wednesday Word Ladder

Fluency Friday





Presidents Day



A Word Root Lesson focused on sid, sed, sess = sit

On the third Monday in February, the United States celebrates the national holiday known as Presidents Day. The day takes place during the birth month of the country's two most prominent presidents, George Washington and Abraham Lincoln. The story of Presidents' Day began in 1800. Following the death of George Washington in 1799, his February 22 birthday became a perennial day of remembrance. At the time, Washington was venerated as the most important figure in American history.

The word root sid is embedded in the word president. The roots sid, sed, and sess mean to "sit." Knowing that the word root pre means before, you can see how a president "sits before" or in front of the nation to provide leadership and is often referred to as the sitting president.

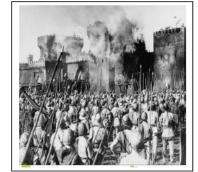
Match the phrase on the left with the appropriate sid/sed/sess word on the right.

- A person who "sits" in his or her home.
- Matter that has been deposited and "sits" or settles through some natural process.
- Tending to spend much time seated and inactive.

a. sedentary

b. sediment

c. resident



Did You Know...

When the ancient Romans would attack and seize a city or town, they often "sat" right up against" (ob + sess) the city walls and starved the people out until they surrendered. They called this blockade an obsessio. The residents would stare out at the huge army that just sat there and would never go away. The very sight of the soldiers instilled fear and panic in the residents.

Today, we call an irrational fear that never goes away an obsession! We can even be obsessed with imaginary worries, when there are no armies outside waiting to attack, and when we have nothing to fear but fear itself!

More sed/sid/sess words to explore:

Sedan Session Sedate

Learn more about a Word Roots approach at www.timrasinski.com > Products. Contact us at trasinsk@kent.edu







March: The Roman God of War, Mars





A Word Root Lesson focused on Mars (The Roman God of War) and Bell (The word root for war)

The Roman god of war was named Mars. It seems natural, then, that the fourth planet which shines with a red color, resembling blood, was named for the god of war. He was one of the most important of the Roman gods and an entire month of the year was dedicated to him. The month was so named because Mars, the patron god of the Romans, was a war-god, and spring military war campaigns usually began about that time. From the name of this god we have the word martial which refers to things military or warlike.

The Latin word root bel/bell also refers to war. Many words in English are derived from the word root bel/bell such as rebel and belligerent.

Match the description below with the bel/bell word on the right.

- 1. _____ Acting in an aggressive or warlike manner.
- 2. ____ A war against the government of a country.
- 3. _____ To shout in a deep and warlike voice and manner.
- a. rebellion
- b. bellow
- c. bellicose

Did You Know...

The word root ante means before. When combined with the word root bell, meaning war, we have the word antebellum. In American history the time before the Civil War is referred to as the antebellum period.

Learn more about a Word Roots approach at www.timrasinski.com > Products. Contact us at trasinsk@kent.edu









Sept 17 - Constitution Day!



A Word Roots Lesson on the Pre- (Before) Word Root!

The Constitution of the United States outlines the laws of our land. The Constitution begins with a Preamble. "Preamble" has two roots. The prefix Premeans before, and the base **ambul (ambl)** means walk. The **Preamble** "walks before" the rest of the Constitution.



Here is the **Preamble** to the Constitution

We the People of the United States, in Order to form a more perfect Union, establish Justice, insure domestic tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

Pre- starts many words that carry the meaning of "before." Here are some pre-words. Put them in the sentences where they fit.	
Words: premixed, prepay, preshrunk	
1.	Our salad is All the ingredients are already together.
2.	The size of my new jeans will not change because they are
3.	We can for movie tickets by going online.

Want to learn more about a Word Roots approach to *Questions?*Contact us at trasinsk@kent.edu or go to www.timrasinski.com > Products

Words with **pre-** do not always carry the meaning of "before." Here are six words. Circle the ones that carry the meaning of "before."

preschool pretzel
press pretest
pretty preview

Sept 17 - Constitution Day!



A Word Roots Lesson on the Ambul-/Ambl- (Walk) Word Root!

In September 1787, delegates to the Constitutional Convention signed U.S. Constitution. The Constitution begins with a Preamble, which lists the reasons that the Constitution was created. The Preamble begins with three words: "We the People." Why do you think the framers (writers) decided to begin that way?

The Preamble itself is a beginning. The word "preamble" has two roots. The prefix pre- means "before." The base ambul- (ambl-) means "walk." How are these meanings in "preamble"?



Here is the Preamble to the Constitution

We the Jeople of the Vnited States, in Order to form a more perfect Vnion, establish Justice, insure domestic tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the Vnited States of America.

The word "ambulance" also contains the root ambul- (ambl-). History gives us the reason why. In olden times, people walked with hammocks or carts to take sick or injured people for help. In fact, the earliest record of this kind of an ambulance was probably constructed by the Angle-Saxons around 900 AD.



The root "somn"
means sleep. What is
a somnambulist?

Two More Ambul/Ambl Words

Amble – to walk

Funambulist Tightrope walker.

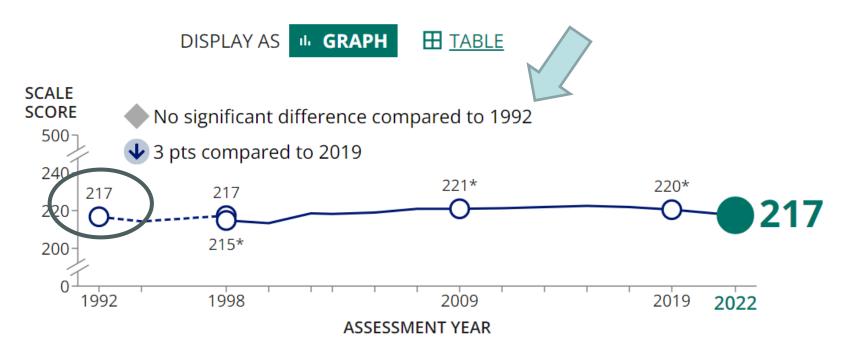
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The Problem (USA) -

Gr 4 (Age 10) Reading – 1992-2022

FIGURE | Trend in fourth-grade reading average scores











LEADERSHIP

POLICY & POLITICS

TEACHING & LEARNING

TECHNOLOGY

OPINION

JOBS

MARKET BRIE

STUDENT ACHIEVEMENT

Why Are Reading Scores Still Falling on the Nation's Report Card?

4 questions about the new results, and what we know about answers



By Sarah Schwartz — January 29, 2025 🕔 9 min read



Lack of Systematic Phonics

Hard Words

Why aren't kids being taught to read?

Emily Hanford





Sold a Story: How Teaching Kids to Read Went So Wrong



But It's More Than Just Phonics



Forbes

FORBES > LEADERSHIP > EDUCATION

Just Adding More Phonics Yields Only Short-Term Gains On Reading Tests

Natalie Wexler Senior Contributor ①

I write about education, cognitive science, and fairness.





Apr 26, 2023, 01:21pm EDT



What Nobody Is Saying About the NAEP Reading Scores

They're not just about phonics.

NATALIE WEXLER

FEB 2











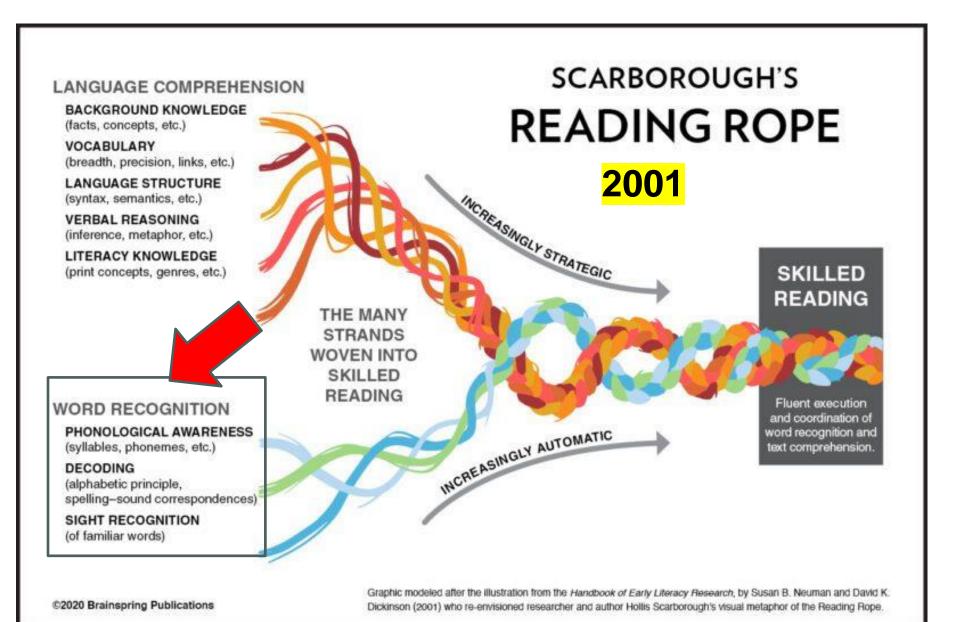
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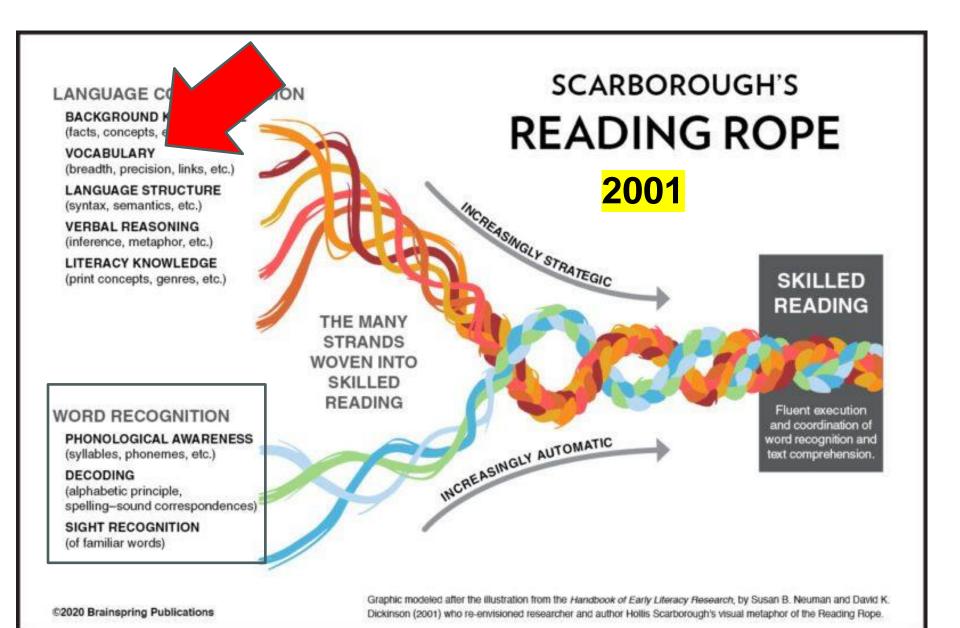
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SCIENCE OF READING



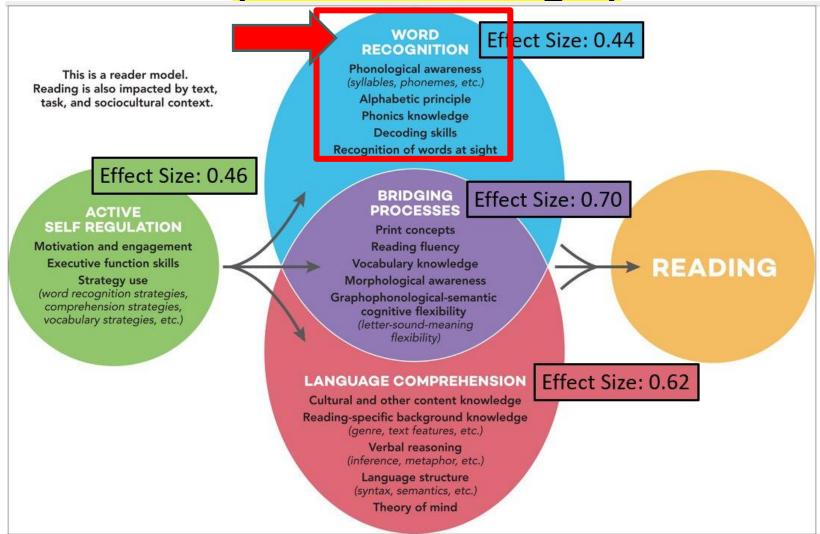








Active View of Reading – 2021 (Duke& Cartwright)





Active View of Reading – 2021 (Duke & Cartwright))



Effect Size: 0.44

Phonological awareness (syllables, phonemes, etc.)

Alphabetic principle

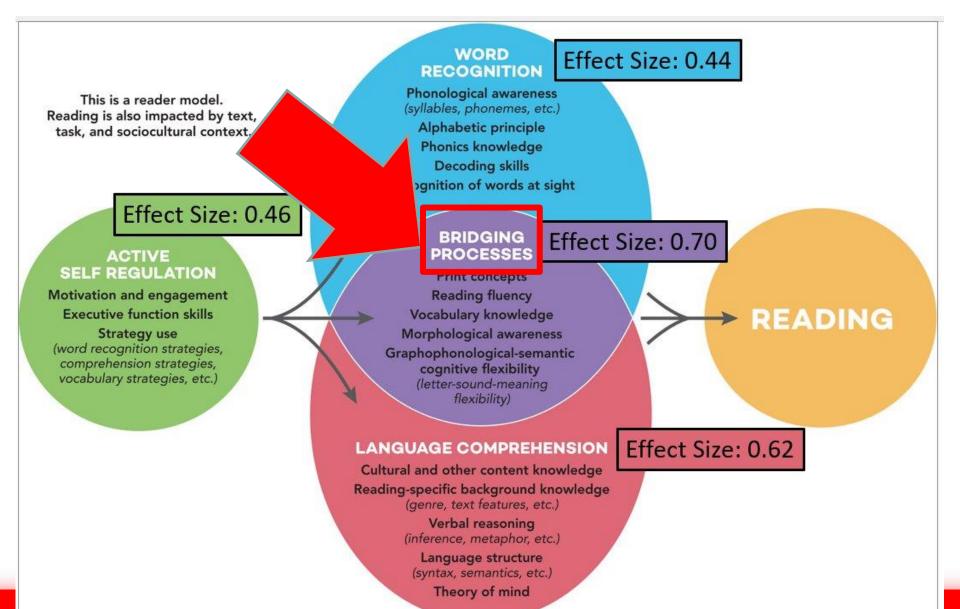
Phonics knowledge

Decoding skills

Recognition of words at sight



Active View of Reading -2021 Duke and Cartwright



Active View of Reading - 2021

This is a reader model.

Reading is also impacted by text,
task, and sociocultural context.

Effect Size: 0.46

ACTIVE SELF REGULATION

Motivation and engagement Executive function skills

Strategy use

(word recognition strategies, comprehension strategies, vocabulary strategies, etc.) WORD RECOGNITION

Effect Size: 0.44

Phonological awareness (syllables, phonemes, etc.)

Alphabetic principle Phonics knowledge

Decoding skills

Recognition of words at sight

Effect Size .70

BRIDGING PROCESSES

Effect Size: 0.70

Print concepts

Reading fluency

Vocabulary knowledge

Morphological awareness

Graphophonological-semantic cognitive flexibility

(letter-sound-meaning flexibility)

READING

LANGUAGE COMPREHENSION

Cultural and other content knowledge

Reading-specific background knowledge

(genre, text features, etc.)

Verbal reasoning (inference, metaphor, etc.)

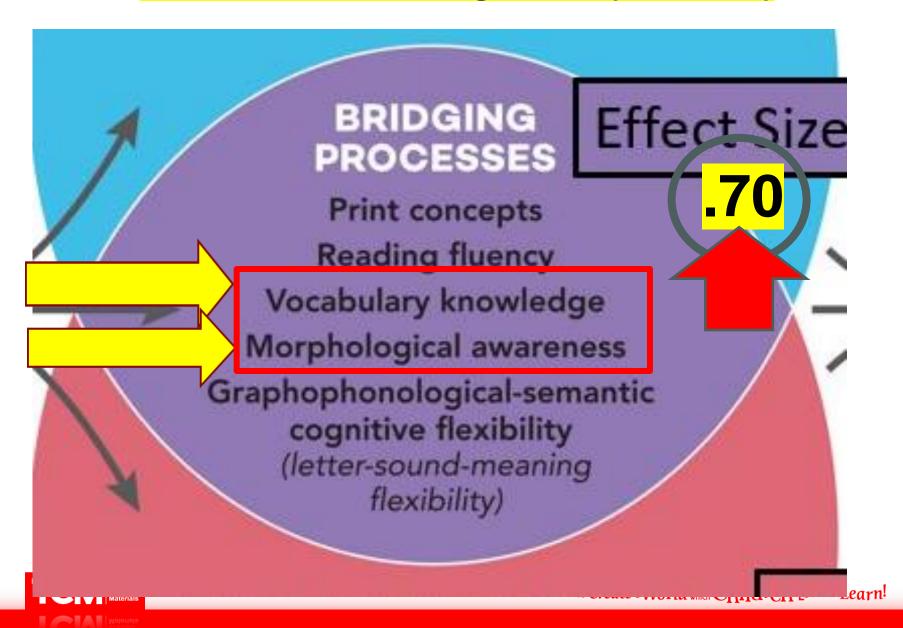
Language structure

(syntax, semantics, etc.)

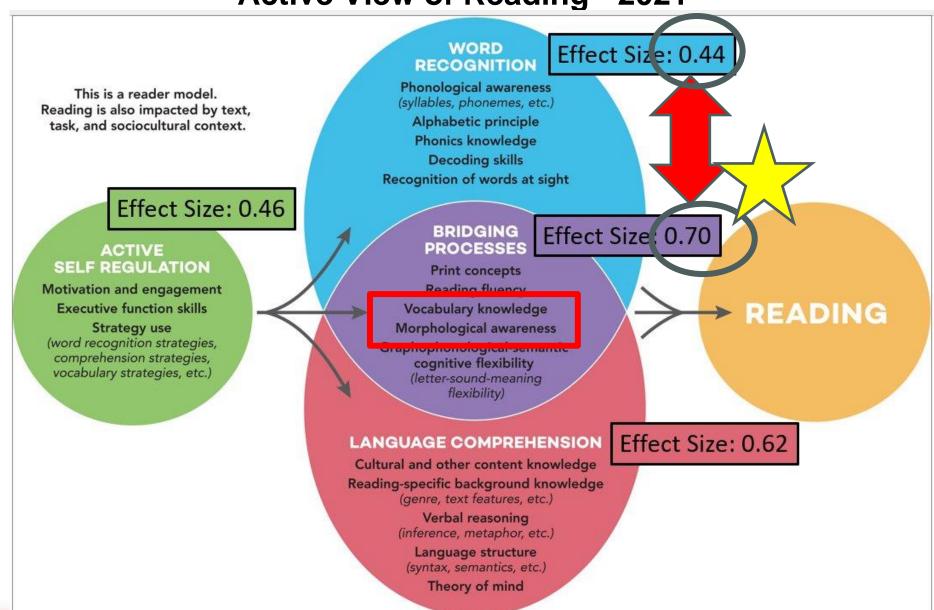
Theory of mind

Effect Size: 0.62

Active View of Reading – 2021 (Nell Duke)



Active View of Reading - 2021





Thinking through research and the science of reading

Elfrieda H. Hiebert

September 25, 2023

"Journalists and policy makers often interpret these results to mean that students who perform at the below-basic level are unable to read (Hanford, 2019) or, at the very least, need to revisit phonological decoding and word recognition (White et al., 2021). But research examining the profiles of 4th graders scoring at the below-basic level shows it is not foundational word identification that challenges these students but rather

vocabulary and meaning-making."



Students Fall Flat In Vocabulary Test

BY STEPHANIE BANG

half of what to on a new vertice a national example of severation.

Eighth-gr ın average of 265 ocabulary on the mal \ssessment of Ed rogress, the results of v e made public Thursday. n-graders averaged a score 18 out of 500. The results sho red that nearly half of eighth-graders didn't know that "permeates" means "spread all the way through," and about the same proportion of fourth-graders didn't know that "puzzled" means confused—words that educators think students in those grades should recognize.

Most fourth-graders did know the meaning of "created," "spread" and "underestimate." At eighth grade, most students knew "grimace," "icons" and "edible."

The new vocabulary test was embedded in the biennial national reading exam, known as the NAEP Last year's scores were in line with those posted in 2009, the first time vocabulary scores were broken out, but the latest results are the first to be made public.

Margaret McKeown, a senior scientist at the Learning Research and Development Center at the University of Pittsburgh, said she wasn't surprised by the results but that they are cause for concern. "There is very little vocabulary done in any classroom at any age," said Ms. McKeown.

Leslie Russell, a reading specialist at Butts Road Intermediate School in Chesapeake, Va., said the vocabulary scores could be improved if students were more immersed in literacy at school and at home. "We need to make more of an effort to get parents involved in teaching reading and teaching them how to help children make sense of words they do not know," she said.

In 2009, 12th-graders also.

In 2009, 12th-graders also took the exam administered by the U.S. Department of Education. Their average score was 296 out of 500 on the vocabulary portion.

The department has given the reading exam for decades but decided to add new questions in 2009 to more fully test students knowledge of grade-level vocabulary. The words were embedded in reading passages and students were asked their definition in a multiple-choice format.

"Without a strong vocabulary, any child's ability to read and to learn suffers dramatically," David Driscoll, chairman of the National Assessment Governing Board, which sets policy for NAEP, said in a statement.

The Search for Meanings

Fifty percent or fewer of U.S. public- and private-school students knew the meaning of the following words in a national reading exam given to fourth- and eighth-graders in 2009 and 2011, and to 12th-graders in 2009

FOURTH GRADE barren eerie detected flourish prestigious

EIGHTH GRADE Urbane 12th GRADE delusion mitigate



Fourth-grade | On page one, the passage says that some boys were puzzled test question | when they visited the Public Garden. This means the boys were:

trying
to follow
the ducks

hoping to play games with the ducks surprised that there were so many ducks confused that there were no ducks

Children Love to Learn!

Vocabulary Declines, With Unspeakable Results

By E.D. Hirsch Jr.

or all the talk about inc inequality in the Ur States, there is too little ognition of education's role i problem. Yet it is no coincit ence that, as economist John Bishop has shown, the middle class's economic woes followed a decline in 12th-grade verbal scores, which fell sharply between 1962 and 1980—and, as the latest news confirms, have remained flat ever since.

The federal government reported this month that students' vocabulary scores on the National Assessment of Educational Progress have seen no significant change since 2009. On average, students don't know the words they need to flourish as learners, earners or citizens.

All verbal tests are, at bottom, vocabulary tests. To predict competence most accurately, the U.S. military's Armed Forces Qualification Test gives twice as much weight to verbal scores as to math scores, and researchers such as Christopher Winship and Anders D. Korneman have shown that these verbally weighted scores are good predictors of income level. Math is an important index to general competence, but on average words are twice as important.

Yes, we should instruct students in science, technology, engineering and math, the muchballyhooed STEM subjects—but only after equipping them with a

base of wide general knowledge and vocabulary.

dents don't learn new ds by studying vocabulary They do so by guessing new s within the overall gist hey are hearing or readand understanding the gist

A good first step to fight income inequality:
Do a better job of teaching kids to read.

requires background knowledge. If a child reads that "annual floods left the Nile delta rich and fertile for farming," he is less likely to intuit the meaning of the unfamiliar words "annual" and "fertile" if he is unfamiliar with Egypt, agriculture, river deltas and other such bits of background knowledge.

Yet in the 1930s, American schools transformed themselves according to the principles of "progressive education," which assume that students need to learn not a body of knowledge but "how-to" skills that (supposedly) enable them to pick up specific knowledge later on. Analyses of schoolbooks between 1940 and 1960 show a marked dilution of subject matter and vocabulary. Little surprise, then, that students began scoring lower on tests that probed knowl-

edge and vocabulary size. The decline became alarming in the 1970s, as the federal report "A Nation at Risk" pointed out in 1983.

The focus on the "skill" of reading has produced students who cannot read. Teachers cannot cultivate reading comprehension by forcing children to practice souldeadening exercises like "finding the main idea" and "questioning the author." Students would be better off gaining knowledge by studying real subject matters in a sensible, cumulative sequence. Instead, elementary schools are dominated by content-indifferent exercises that use random fictional texts on the erroneous assumption that reading comprehension is a formal skill akin to typing.

Vocabulary-building is a slow process that requires students to have enough familiarity with the context to understand unfamiliar words. Substance, not skill, develops vocabulary and reading ability-there are no shortcuts. The slow, compounding nature of vocabulary growth means that successful reform must lie in systematic knowledge-building. That is the approach used in South Korea, Finland, Japan, Canada and other nations that score highly in international studies and succeed best in narrowing the verbal gap between rich and poor students.

In the U.S., 45 states have recently adopted the Common Core State Standards for language arts. The standards have been denounced for various pedagogical and political reasons, but all sides in the debate should accept one key principle in the new standards: "By reading texts in history/social studies, science, and other disciplines, students build a foundation of knowledge... to be better readers in all content areas. Students can only gain this foundation ... [through] rich content knowledge within and across grades."

Opponents of Common Core's new nonfiction requirement ought to recognize that good, knowledge-enhancing nonfiction is literature that helps students gain the knowledge and words they need to understand fiction and everything else.

The most secure way to predict whether an educational policy is likely to help restore the middle class and help the poor is to focus on the question: "Is this policy likely to translate into a large increase in the vocabularies of 12th-graders?" When questions of fairness and inequality come up in discussions, parents would do well to ask whether it's fair of schools to send young people into a world where they suffer from vocabulary inequality.

Mr. Hirsch, a former professor of education and humanities at the University of Virginia, is founder of the Core Knowledge Foundation. This op-ed is adapted from an essay forthcoming in the Winter 2013 issue of City Journal.

1 Love to Learn!



Joy Resmovits

Joy.resmovits@huffingtonpost.comVocabulary Test Results Show Top U.S.

Students Losing Ground, Others Stagnate

Posted: 12/06/2012 11:00 am EST | Updated: 12/06/2012 3:00 pm EST

If you can identify the meaning of the word "prospered" within a passage, chances are you know more vocabulary than most American high school seniors.

The results of the <u>national standardized vocabulary tests</u> are in, and the scores are troubling — but not unexpected — experts say. Average performance on the U.S. Education Department's national exams was mostly stagnant at low levels between 2009 and 2011, and the highest performers lost ground during that time.

"We should be worried about this," said Cornelia Orr, executive director of the National Assessment Governing Board. "It's not any more of a crisis than we've been seeing in reading."

On Thursday, the National Center for Education Statistics, the U.S. Education Department's research arm, released the vocabulary scores for fourth- and eighth-grade students on the 2009 and 2011 reading comprehension exams administered by the <u>National Assessment of Educational Progress</u>. This is the first time the results of a separate scale for vocabulary questions on the national reading comprehension test have been released. NAEP is considered the "gold standard" of standardized testing, since stakes are low for children and since the tests are designed by the federal government, which has no skin in the game in terms of how states perform. (The release also included 12th grade scores for only 2009, since that exam is only given every four years).



So, Let's Work on Building Students' Vocabularies



SOME FACTS ABOUT ENGLISH VOCABULARY



English has the largest lexicon in the world –over 1,000,000 words!

(Rasinski, Padak, Newton & Newton, 2020)



Each year over 12,000 new words are added to the English language!

(Rasinski, Padak, Newton & Newton, 2020)



The average 5th grader will meet 10,000 new words in reading.

(Nagy & Anderson, 1984)





Students will need to know approximately 500,000 words by the time they finish high school!



Nagy & Anderson, 1984



Yet, research has found that students can learn only 8-10 words per week through direct instruction (rote memorization, dictionary work, etc)





So, what's the **BEST** way to teach vocabulary?



So what's the **BEST** way to teach words?

Not sure there is a BEST way, but I do know some not-so-good way to teach words?





Part of Speech & Definition Due Next Fri

Mike Rasinski Read per i March i

VOCABULARY LIST

,	Badroit - adj skillfull & clever		about inconsequential	41,	hard to manage refusing reverse on areamy thinking
	22. apprise - V. 10 non-to	22.	struggle, a grip	42.	reverse a dreamy thinking
; ,	aroma aroma	23.	guidon -	43.	of pleasant things roseate adj. roseate color
(n. one who leads a life of denial	24.	impose-v. to place a burdenon to force onto others		cheerful optimistic rueful-adj sorrowful
	marshy inlet or outlet of lake.	25.	interpose - V. to intervine,	45,	sallow adj. having a
	Moelicose-adj. quarrelsome,		knell- V. to ring slowly, ominously - ommen of	46.	sardonic adj bitterly sardonic adj bitterly sarcastic scornful or
	M. choleric-adj. easily angered	27.	languor-n. lack death of vigor, weakness	47.	mocking savant n. a learned person
	18 cloisier - n. a monestary or Convent	28.	because absord or videous	~48.	
	V9. conjecture - 1, guess, inferring without complete evidence	29.	malevolence -	49.	sexton-n person who takes cure of a church, rings bells, arranges burrals
	16. copious adj copious abundant	30.	manatin-adj. foolishly, often tearfully sentimental	50.	Curves ary having many
	VX. coquetry-n, agirlorwoman flirt	31.	make-n confused general hand to hand fight	51.	direct, un trustworthy suffuse -v. overspread (with liquid, dye, etc.)
	molding projecting along the top of a wall, setc. 13. courageous - n. brave		molton-adj melted by heat myriad-n.adj very many	53.	surmount-adj. r15e above @ overcome surplice-n. broad steeved white gown worn by
	Stone, rubbish, etc.	34.	orb-n. globe or sphere		members of dergy or choir avivan adj. characteristic
	15. decorum - n. whatever 15 Suitable or proper	35.	banishing one	55.	of woods, wooded, tableau on presentation of a scene by costumed person or group
	Via diadem-n Crown, ornamental headband	36.	pantaloens - n. trousers	56.	boring huckneyed
	17. docte-adj. easy to discipline	37,	pariah-n. any outcast person formly in India any opportunity and class	57.	or severe pain
	18. domatic - adj. asserted W/o Proof positive or arrogant	38.	n. Youlify of someth	58.	to move by waves
	18. distinct adj. asserted w/o proof positive or arrogant 16. doleral adj. sad, mournful	39.	peritous adj dangerous,		vanquish - V. to defeat
	being noticed, blot out		plaintive adj expressing surrow	60.	venerable-adj worthy of respect because of one's dignity etc.

Traditional Vocabulary Instruction

11. restive-adj restless, uneasy hard to manage refusing 12. reverse of ahead of pleasant thinking of pleasant things 13. roseate-adj. roseate color, cheerful optimistic 14. rueful-adj sorrowful unhappy causing sorrow 45. sallow adj. having a
Sickly yellow complexion
46. sardonic ad bitterly
Sarcastic scornful or
mocking n. a learned person s much in few words



There's Got To Be A Better Way



Let's Start with the notion of Patterns



What Can Art Add to Education?

"I would teach children music, physics, and philosophy; but most importantly music (and poetry), for the patterns in music and all the arts are the keys to learning."

Plato



The Human Brain is a **Pattern** Detector

francises in NEUROSCIENCE REVIEW ARTICLE



Superior pattern processing is the essence of the evolved human brain

Mark P. Mattson 12*

- Laboratory of Neurosciences, National Instit
- * Department of Neuroscience, Johns Hopkin

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g pondered the nature of their mind/brain and, particularly why its oning, communication and abstract thought are far superior to other d closely related anthropoids. This article considers superior pattern species. as the fundamental basis of most, if not all, unique features of the including intelligence, language, imagination, invention, and the belief in imaginary entities such as ghosts and gods. SPP involves the electrochemical, neuronal network-based, encoding, integration, and transfer to other individuals of perceived or mentally-fabricated patterns. During human evolution, pattern processing capabilities became increasingly sophisticated as the result of expansion of the cerebral cortex. particularly the prefrontal cortex and regions involved in processing of images. Specific patterns, real or imagined, are reinforced by emotional experiences, indoctrination and even psychedelic drugs. Impaired or dysregulated SPP is fundamental to cognitive and psychiatric disorders. A broader understanding of SPP mechanisms, and their roles in normal and abnormal function of the human brain, may enable the development of interventions that reduce irrational decisions and destructive behaviors.

Keywords: evolution, hippecampus, language disorders, religion and science, neuronal network

INTRODUCTION

The fundamental function of the brains of all animals is to encode and integrate information acquired from the environment through sensory inputs, and then generate adaptive behavioral responses. Sensory information is first rapidly encoded as patwhich is well-characterized in apes, was a precursor to language during human evolution (Liebal et al., 2004; Tornacello, 2008).

The cognitive repertoire of humans far exceeds that of all other animals, and understanding the neurobiological basis of this superiority is therefore of interest not only to scientists,



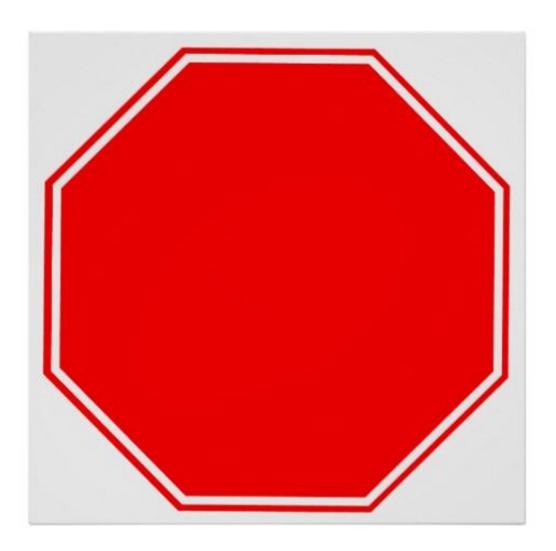
Today

Psychology Today

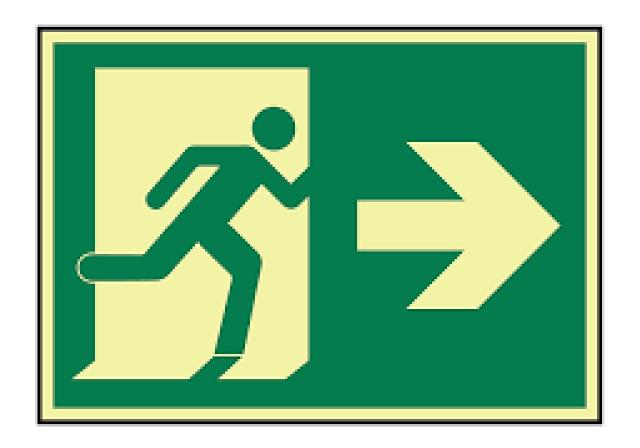
KEY POINTS

- Humans can't help but look for patterns and find structure in the information coming their way.
- The neocortex, the outermost layer of the brain, is found only in mammals and is responsible for humans' ability to recognize patterns.
- Although computer algorithms can spot patterns, an algorithm has not yet been developed that outperforms the human mind.

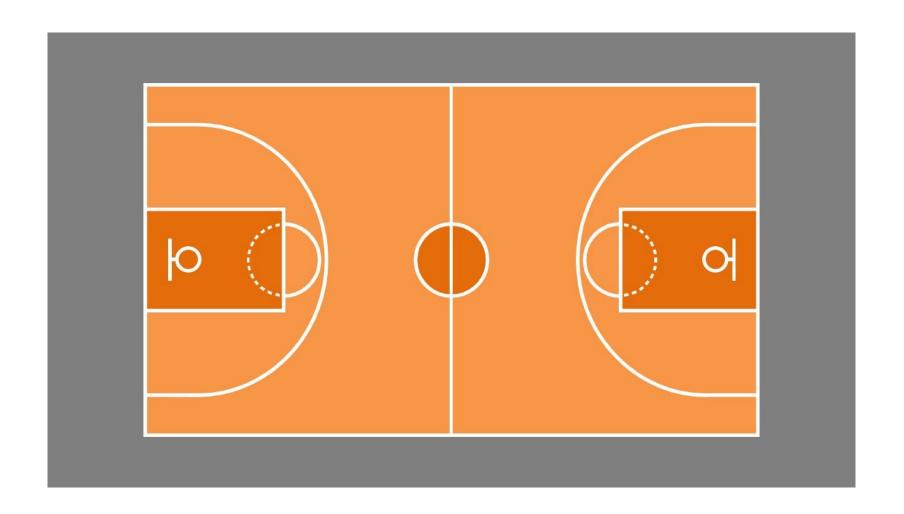
"Over centuries of evolution, humans' pattern recognition skills determined natural selection. Hunters skilled at spotting prey and predator and telling poisonous plants from healthy ones offered them a better chance of survival than those blind to the patterns. It enabled the survivors to pass on those

















There are also Linguistic Patterns help us negotiate written language



Primary Grades Phonics Word Patterns Word Families/Phonograms/Rimes

BY ADDING A BEGINNING LETTER(S) TO THESE WORD FAMILIES, STUDENTS CAN SPELL AND READ 654 ONE SYLLABLE WORDS (AND THOUSANDS OF MULTISYLLABIC WORDS!)

-AB	-AT	-INK	-ORE	-UNK
-ACK	-AY	-IP	-OT	-Y
-AG	-ELL	-IGHT	-OUT	
-AIL	-EST	-ILL	-OW (HOW	, CHOW)
-AIN	-EW	-IM	-OW (BOW	, THROW)
-AM	-ED	-IN	-OP	
-AN	-EED	-INE	-UCK	
-ANK	-ICK	-OB	-UG	
-AP	-ING	-OCK	-UM	

SOURCE: FRY, E. (1998). THE MOST COMMON PHONOGRAMS. THE READING TEACHER.



Consolidated-alphabetic phase: students consolidate their knowledge of grapheme-phoneme blends into larger units that recur in different words.

When readers reach the **consolidated alphabetic phase**, they begin to use chunks to decode, rather than individual phonemes. Phonograms, or multi-letter patterns, such as consonant blends, digraphs, and vowel teams, are consolidated in memory and recognized instantly, as are common word families, affixes, and other common letter patterns. Syllables and morphemes are also recognized as chunks. In fact, Ehri (2014) has referred to this phase as the consolidated graphosyllabic and grapho-morphemic phase. Orthographic map ontinues to develop as these chunks become more instantly recognizable, and readers more readily teach themselves new connections

This is considered the most mature form of reading. Typically, this phase begins sometime in second grade and continues to develop as readers become more



(Share, 1995).

-ash

Sash
 Flash

Cash
 Gnash

LashStash

Clash
 Hash

Crash
 Brash

Smash Rash

Splash Thrash

Trash
 Flashlight



-am

- Ham
- Bam
- Jam
- Pram
- Ram
- Sam
- Slam
- Clam
- Cram
- Scram



-am

- Ham
- Bam
- Jam
- Pram
- Ram
- Sam
- Slam
- Clam
- Cram
- Scram

Vampire

Ambulance

Camera

Family

Trampoline

Scramble

Famish

Shamble

Sample

Amsterdam



-an

- Can
- Dan
- Jan
- Pan
- Plan
- Ran
- Van
- Scan



-an

Can Candle

Dan
 Dandy

Jan
 Sandal

Pan Mandolin

Plan Vanish

Man Transport

Van Expansion

Scan Canada

Then What?

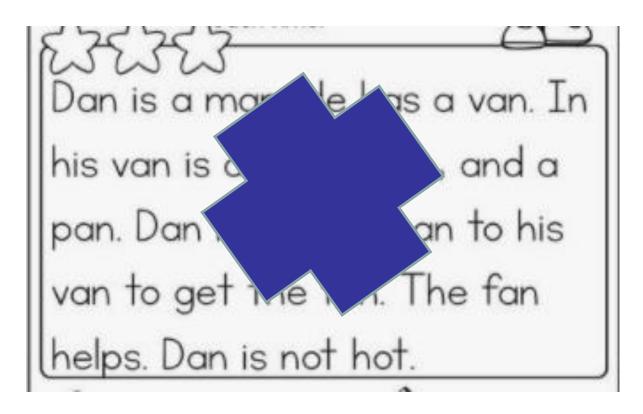


Decodables -Word Family-

is a man. He has a van. In his van is a fan, a can, and a pan. Dan is hot. He ran to his van to get the fan. The fan helps. Dan is not hot.



Word Family Decodable Texts



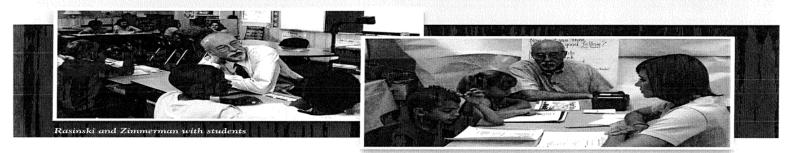


Try Poetry for Word Families,



What's The Perfect Text for Struggling Readers? Try Poetry!

by Timothy Rasinski and Belinda Zimmerman



elinda Zimmerman was walking down the school hallway when second grader Zach popped out of his classroom. He went directly up to her and asked, "Mrs. Z, want to hear me read my new poem that Mr. Rasinski wrote?"

"Absolutely," replied Belinda with a broad smile. She walked Zach to a quiet area in the hall and asked Zach to perform. After a brief cough to clear his throat, Zach held out the paper containing his poem and in his best expressive voice read:

There's a long sunny season called summer. When it's over kids say, "What a bummer!" It's soon time for school Which can be awfully cool If you don't want to get any dummer!

Belinda chuckled, put her arm around Zach, and told him

followed by supported practice with feedback, Zach and his classmates were eventually able to read the poem with good expression and confidence.

Each day in our reading clinic, students master one or two poems and perform them for classmates, teachers, and other adults. We have come to view the practice and performance of poetry as key to our students' growth in reading.

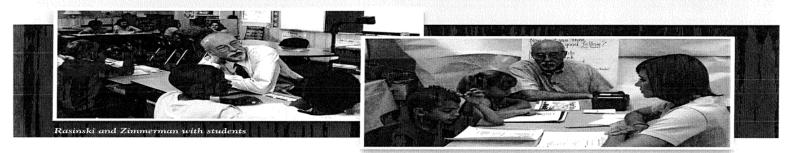
All of the students who come to our summer program, which we call Camp Read-a-Lot, exhibit reading difficulties, primarily in comprehension. However, a closer examination of most students' reading indicates that difficulties in word recognition and fluency (Foundational Reading Skills according to the Common Core State Standards) are a primary cause of their comprehension problems.

Try Poetry for Word Families, (Poetry also Promotes Fluency!)

TEACHING LITERACY

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Word Family Authentic Decodable Texts - ight

Star light, star bright
First star I sea tonight
I wish I may I wish I might
Have the wish I wish tonight.



Word Family Authentic Decodable Texts - ight

Star light, star bright
First star I sea tonight
I wish I may I wish I might
Have the wish I wish tonight.



Word Family Authentic Decodable Texts - ight

Star light, star bright
First star I see tonight
I wish I may I wish I might
Have the wish I wish tonight.



Diddle Diddle Dumpling

on

Diddle diddle dumpling
My son Jon
Went to bed with his stockings on
One shoe off, one shoe on.
Diddle diddle Dumpling
My son Jon



Ditto Datto Dumpling -at

Ditto datto dumpling
My son Pat
Had a shaggy dog and a mighty fat cat.
The cat was a bother so he told him to scat.
Ditto datto dumpling
My son Pat



Instead of this...

Dan is a man. He has a van. In his van is a fan, a can, and a pan. Dan is hot. He ran to his van to get the fan. The fan helps. Dan is not hot.



Try this... An –an Poem We Make Ourselves

Diddle dandle dumpling
Hanna and Stan
Had a dog and his name was Dan.
Dan had fur that was brown and tan.
Diddle dandle dumpling
Hanna and Stan.



The Garden Song

by David Mallett

Inch by inch, row by row Gonna make this garden grow Gonna mulch it deep and low Gonna make it fertile ground Inch by inch, row by row Please bless these seeds I sow Please keep them safe below 'Till the rain comes tumbling down



The Garden Song

by David Mallett

Inch by inch, row by row Gonna make this garden grow Gonna mulch it deep and low Gonna make it fertile ground Inch by inch, row by row Please bless these seeds I sow Please keep them safe below 'Till the rain comes tumbling down



Diddle diddle dumpling my sonfred

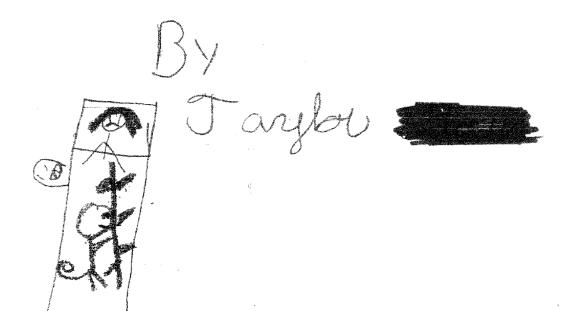
Diddle diddle dumpling my sonfred

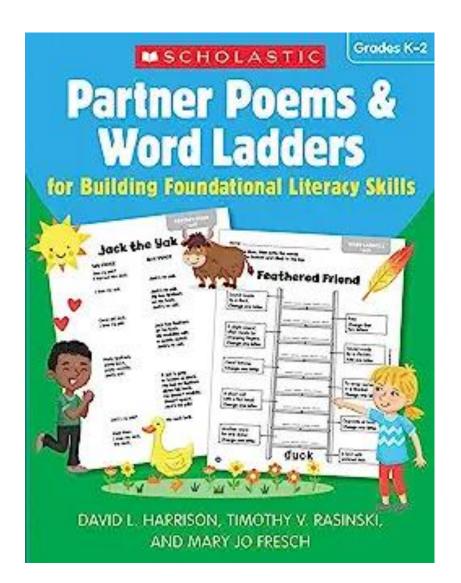
Stept all day on his bed.

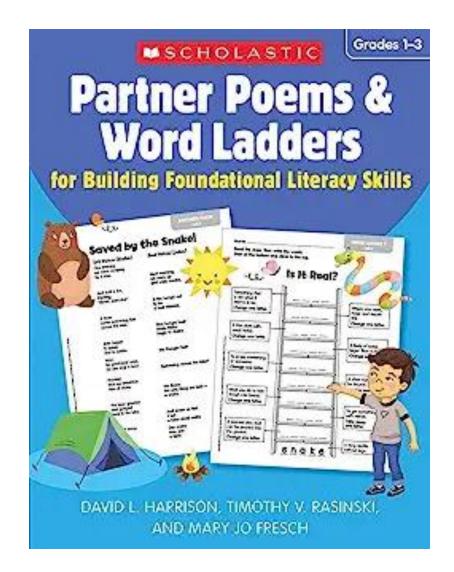
Woke up at midnight.

Creamed there's amonster under my bed!?

Diddle diddle dumpling my sonfred







75 MOST COMMON WORD FAMILIES

To Create a World which Children Love to Learn!



That's Phonics (and Phonics is Important)...

But what about Vocabulary? Word Meanings



らとハト

Mike Kasinski Read per 1 March 1

VOCABULARY LIST

(R) adroit - adj skillfull & clever 0 Z apprise - V. to nonty ヹヹ id. aromatic - ad, having an aroma 14. aspetic-adj self-denying, austere 24. impose-v. to place a burdenon n. one who leads a life of settled L8. bayou-1. in Southern u.s. A marshy inlet or outlet of lake river, etc. Dellicose -adj. quar . W. choleric - adj. exsily (8.) cloister - n. a monest Convent V 9. conjecture - n. 90855 without complete & IB. copious -ad/ copiou VIX. coquetry-n. agirlorwoman Flirt It cornice - 1. a horizontal molding projecting along the 13. courageous - n. brave Valdebris-1. bits & pieces of Stone, rubbish, etc. 15. decorum-n. whatever 15 Suitable or proper V16. diadem - n. - Crown, ornamental headband 17. docite-adj. easy to discipline V18. do not on test asserted w/o proof positive or arrogant vs. doleral adj. sad, mournful

V20. efface-V. Keep from

being noticed, blot out

21. garratous adj talking too much about inconsequential 22. trapped m. hand to hand Struggle, a grip 23. guidon to force onto others 25. interpose - V. to MAGVIME, persons or things 34. orb. n. globe or sphere

31. melee-n confused general 51. suffuse-v. overspread hand to hand Aght 32. molten-ad, melted by heat 52. surmount-ad. rise 33. myriad - 1. aa, very many

35. ostracism - 1. practicing banishing one

36. pantaloons - n. trousers

formly in India any 38. pathos n. quality of something

arousing pity 39. perhous-adj danyerous, involving perit

40. plaintive adj expressing SUPPOW

41. restive-adj restless, uneasy hard to manage refusing

42. reverse o ahead of thinking of pleasant things 43. roseate - ad). roseate color

cheerful optimistic 44. rueful - adj sorrowful unhappy causing sorrow

45. sallow adj. having a sickly yellow complexion 46. sardonic ad bitterly sarcastic scornful or mocking 47. savant

n. a learned person

48. sententious - ad, 5aying much in few words 49. sexton-n person who takes bells, arranges burials

50. sinuous ad having many direct, un trustworthy

(with liquid, dye, etc.)

above @ overcome 53. surplice-n. broad steeved

white gown worn by members of chergy or chair 54. Aylvan adj. Characterstic of woods, wooded.

55. tableau-n. presentation of a scene by costumed person or group

56. tedious adj firesome boring hackneyed 37. pariah-n. any outcast person 57. travail-n. hard work or severe pain 58. undulate - V. to Cause

to move by waves 59. vanquish - V. to defeat

60. venerable -ad worthy of respect because of one's dignity etc.

There's Got to be a Better Way to Build Vocabulary



There's Got to be a Better Way More Word Patterns

Vocabulary...Morphology/Morpheme

It's all Greek to me!





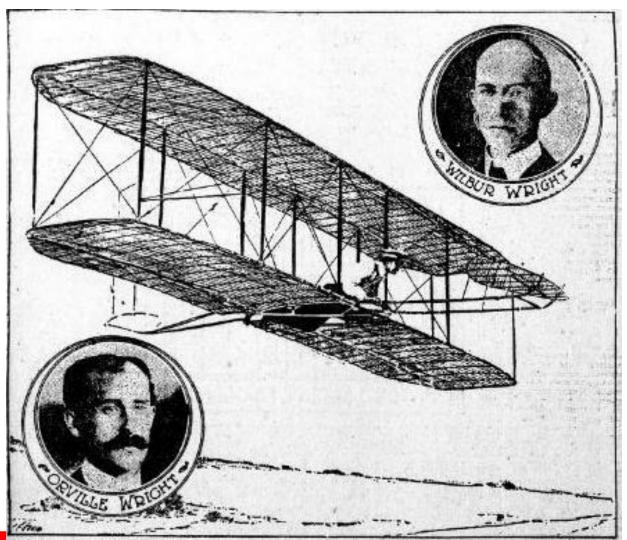
Vocabulary.....

It's all Greek to me!

It should be all **Greek (and Latin)** if you really want to build students' vocabularies!

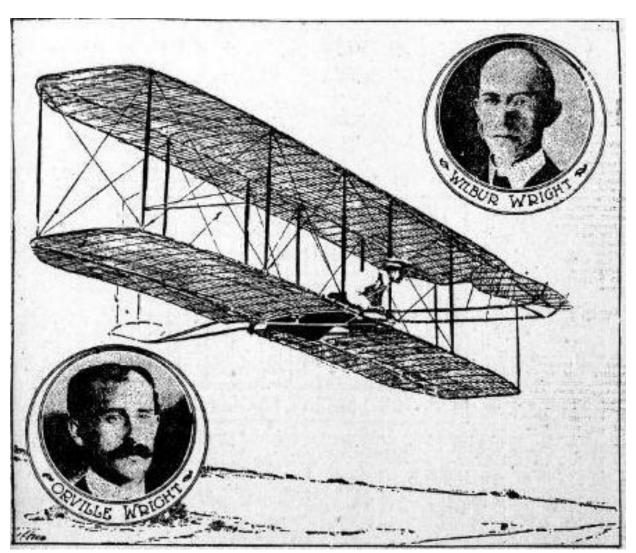


The Wright Brothers!



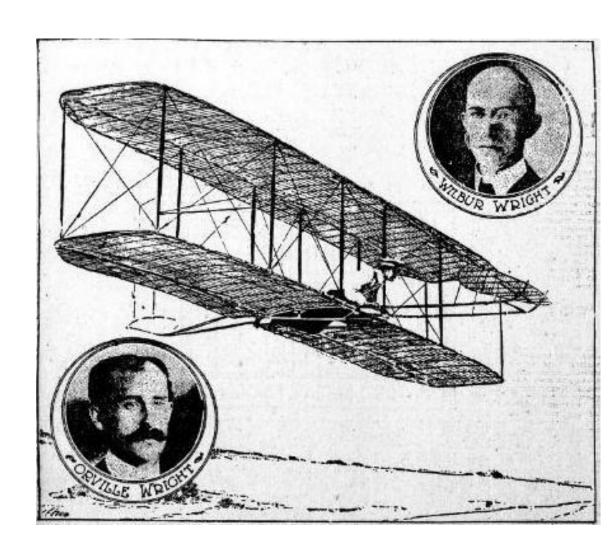


"biplane" (12 times)





"bip-lane"
"bip-lane"
"bip-lane"
"bip-lane"
"bip-lane"





Morpheme

Word Part that represents meaning:

dog, cat, butter, view



Morpheme

Word Part that represents meaning:

dog, cat, butter, view

dogs, cats, butterfly, preview



Morpheme

Word Part that represents meaning:

Affixes (prefixes and suffixes)



re-, pre-, ex-, tri-, un-, anti, trans, semi--ed, -s/-es, -or, -ly, -able, -acy



Morpheme

Word Part that represents meaning:

Affixes (prefixes and suffixes)

re-, pre-, ex-, tri-, un-, anti, trans, semi--ed, -s/-es, -or, -ly, -able, -acy

But Morphemes are more than just affixes...

Base Word Roots

cred, phil, phon, photo, polis, script



So Why a Word Roots (Morphology) Approach to Vocabulary Instruction?

EIGHT REASONS



Vocabulary..... Why Roots?

1. Word Roots are Easily Recognizable/Decodable Word Sound *Patterns*





Vocabulary..... Why Roots?

1. Word Roots are Easily Recognizable/Decodable Word *Patterns that represent Meaning as well as Sound*

Bi-	Two	Biplane, Bicameral
Terra-	Land	Terrain, Territory
Phil/Phile	Love	Analophile, Philosopher



2. Word Roots are Generative!



Bi- Means "2" and Generates

- Bifocals
- Binoculars
- Bilingual
- Biceps
- Bicuspids
- Biannual
- Bipartisan
- Bicameral
- Bicentennial
- Bimonthly
- Bipolar
- Biracial

- Bicycle
- Bisect
- Biped
- Biplane
- Bifurcate
- Bilateral
- Bicolor
- Bigamy
- Bifunctional



Remember Mike's vocabulary list?

One of his words was "conjecture"

conjecture - n. guess, inferring without complete evidence

What if Mike's teacher had chosen to focus on the word root

ject/jet
instead?



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"Ject/Jet" means "throw"

e<mark>ject</mark>, <mark>jet</mark>tison





"Ject/Jet" means "throw"

Here are just a few more ject/jet words!

eject, jettison, project, object, reject, abject, subject, adjective, reject, projector, inject, interject, dejected, conjecture, trajectory, projectile, injection, objective, subjective...

To Create a , , or the winds of 1



TRAC-, TRACT-

"pull, draw, drag"

TRACE
TRACTION
TRACTOR

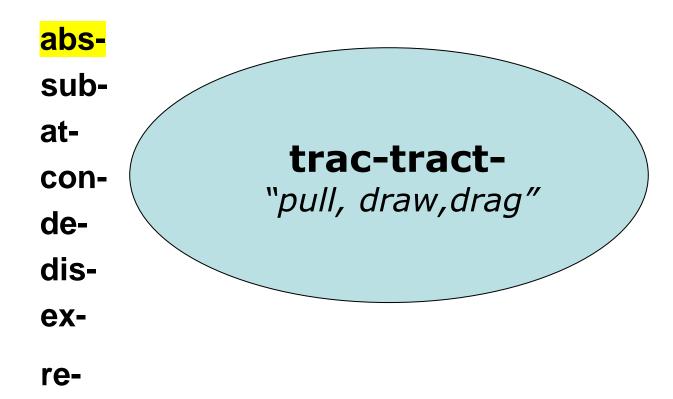




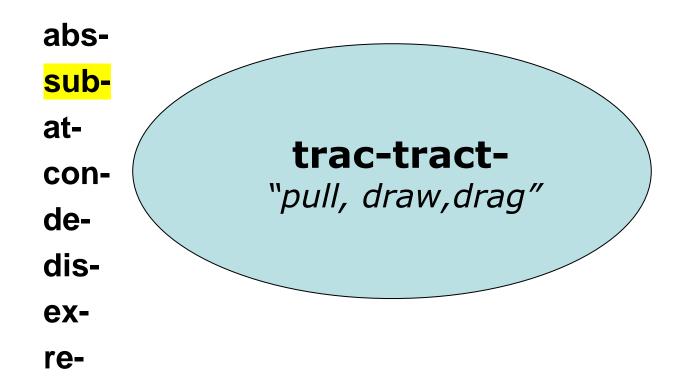




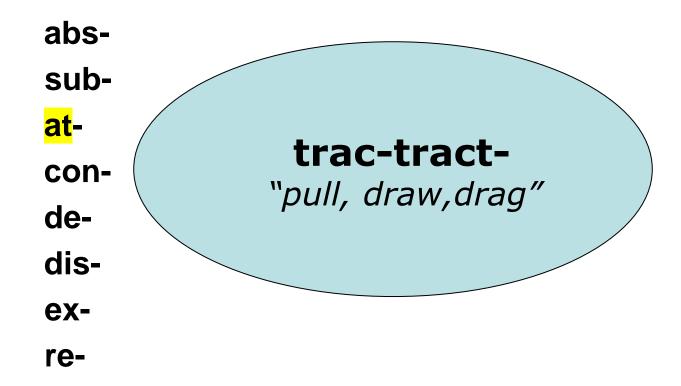




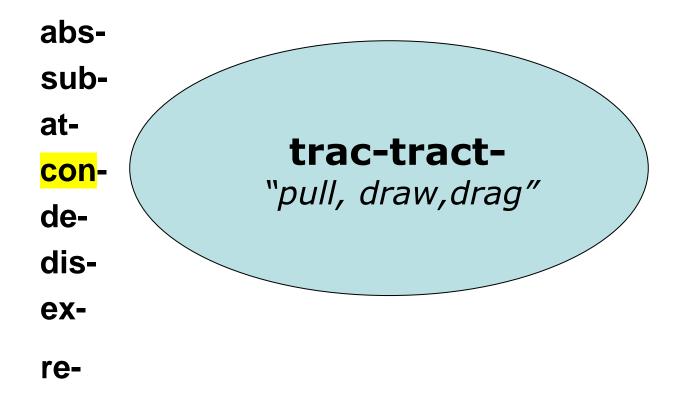




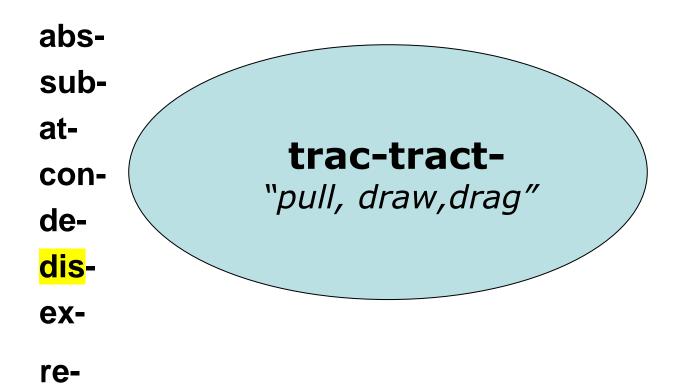




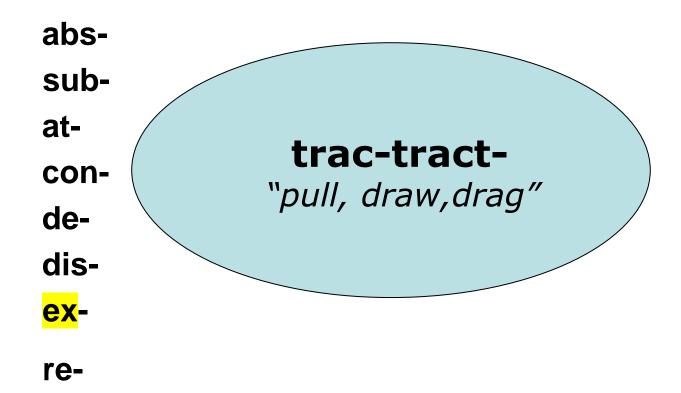




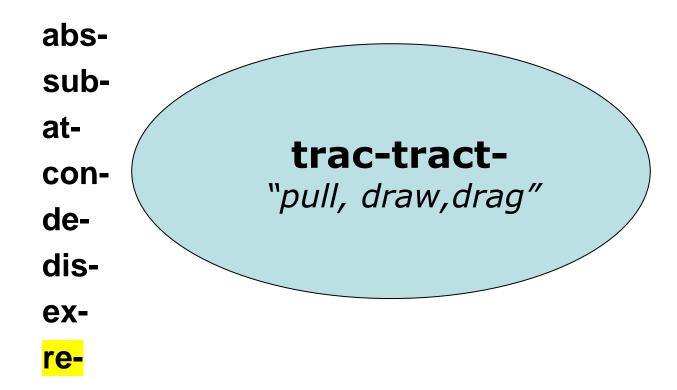




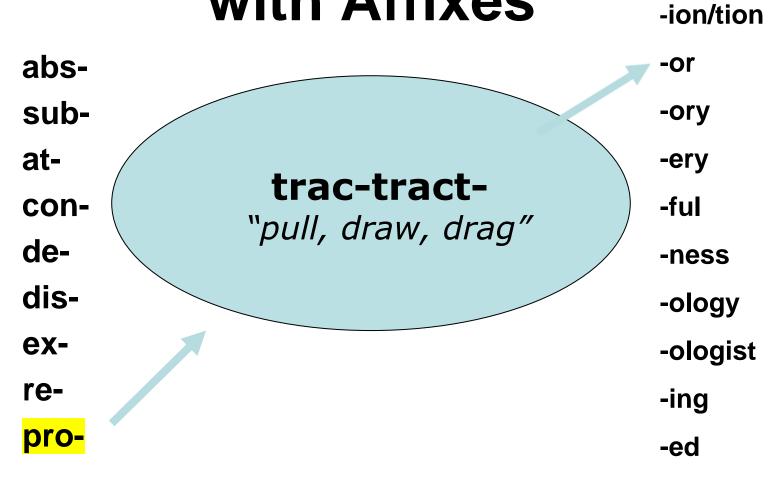














abs--or sub--ory at--ery trac-tractcon--ful "pull, draw, drag" de--ness dis--ology ex--ologist re--ing pro--ed



-ion/tion

Tract means "Pull, Draw, Drag" and Generates:

- Traction
- Trace
- Tractor
- Retract
- Retraction
- Retractable pen
- Abstract
- Attract
- Attractive
- Attraction

- Distract
- Subtract
- Extract
- Detract
- Contract
- Contractor
- Contraction
- Intractable
- Protractor
- Protracted



140 English Words Belong to the Trac/Tract Word Root Family!

3. Word Roots Cross <u>Disciplines</u> Disciplinary Literacy



Timothy Shanahan @ReadingShanahan · 4h
What should elementary schools do with disciplinary literacy?
shanahanonliteracy.com/blog/disciplin...





TEACHING AND LEARNING

NAEP: US history, geography scores drop



(Zach Gibson/Getty Images)

US history and geography scores among eighth-grade students have declined since 2014, while civics scores remained steady, according to results released Thursday by the National Assessment of Educational Progress, also known as the Nation's Report Card. Joel Breakstone, director of the Stanford History Education Group at Stanford University, asserts the history

scores show that it is "under-prioritized," compared with other subjects.

Full Story: Education Dive (4/23), Education Week (tiered subscription model) (4/23)





National Assessment of Educational Progress – 2018 US History and Civics

Only 39% of American 8th graders performed at "satisfactory" or above.



3. Why Word Roots? Roots find their way into Academic Vocabulary

Upwards of 90% of <u>academic</u> and research related words are derive from Latin and Greek.



MAIH	SCIENCE	SOCIAL STUDIES
tangent	neonatal	Congress
secant	hematologist	segregation
diameter	pandemic	democracy
circumference	hydrophobia	polytheism
centigrade	vertigo	philanthropy
parallel	synchronize	secession
demographics	anemia	conservative
kilogram	excision	controversial
subtract	specimen	rebellion
quadrangle	transfusion	mobility
polygon	endemic	consensus

extraction

neonatal

Building Vocabulary from Word Roots



demometrics

quarter

native

pacifism

SOCIAL STUDIES SCIENCE MATH

tangent neonatal hematologist secant pandemic diameter hydrophobia circumference centigrade vertigo parallel synchronize demographics anemia kilogram excision specimen subtract transfusion quadrangle polygon endemic demometrics

Congress segregation democracy polytheism philanthropy secession conservative controversial rebellion mobility consensus

native

pacifism

Building Vocabulary from Word Roots

extraction

neonatal



quarter

MATH SCIENCE SOCIAL STUDIES

tangent secant diameter circumference centigrade parallel demographics kilogram subtract quadrangle polygon demometrics

neonatal hematologist pandemic hydrophobia vertigo synchronize anemia excision specimen transfusion endemic extraction

Congress segregation democracy polytheism philanthropy secession conservative controversial rebellion mobility consensus native

pacifism

Building Vocabulary from Word Roots

neonatal



quarter

MATH SCIENCE SOCIAL STUDIES

tangent secant diameter circumference centigrade parallel demographics kilogram subtract quadrangle polygon

demometrics

quarter

neonatal
hematologist
pandemic
hydrophobia
vertigo

synchronize anemia excision specimen transfusion

endemic extraction neonatal Congress
segregation
democracy
polytheism
philanthropy
secession
conservative

controversial rebellion mobility consensus

native pacifism

BUILDING VOCABULARY From Word Reads (September 2 and research of world) FORM WORD STATE OF THE STATE OF T

Building Vocabulary from Word Roots



MATH SCIENCE **SOCIAL STUDIES**

tangent secant diameter circumference centigrade parallel

demographics kilogram subtract quadrangle polygon demometrics

quarter

neonatal hematologist

pandemic hydrophobia vertigo synchronize

anemia excision

specimen transfusion

endemic

extraction

neonatal

Congress segregation

democracy

polytheism

philanthropy

secession

conservative

controversial

rebellion

mobility

consensus

native

pacifism



Building Vocabulary from Word Roots



4. Why Word Roots?

Knowledge of Word Roots/Morphemes improves Reading Comprehension



ефиторіа



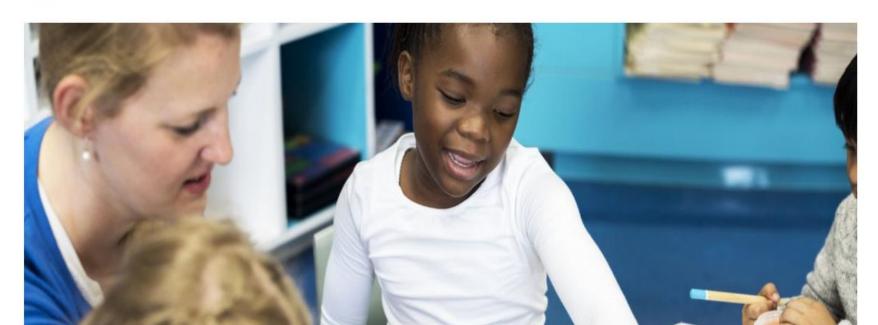
LITERACY

3 Literacy Practices That Work

A literacy researcher shares three practices that are proven to be effective for early elementary learners.

By Nell K. Duke

November 6, 2017



едиторіа



1. Morphology Instruction

Morphemes are the smallest meaning-carrying units in language ked, for example, there are three morphemes: *re-* meaning "again," *work* meaning "purposeful effort," and *-ed* signaling the past. Research indicates that morphology instruction fosters decoding, spelling, and vocabulary development (Goodwin & Ahn, 2013).

Teaching the meaning of affixes (prefixes and suffixes) and root words is a fairly widespread (and research-supported) practice, but morphology well beyond this. Students need to be taught to decompose and by morphemes, playing detective as they figure out how to figur meaning or build a word with a particular meaning. Starting with such as *cupcake*, *skateboard*, or *railroad* may be helpful. Over tin



 \equiv Q



READING & LITERACY

What Is Morphology? Should Teachers Include It in Reading Instruction?



By Sarah Schwartz — November 22, 2023 (8 min read

The complexity of words only increases from there. In a recent analysis of 1,200 children's books designed for ages 7 and up found over 100,000 unique words—most of which included multiple morphemes. "If you know something about morphology, it dramatically lessens the learning load of learning new words..."



What Does the Research Say?

A study of 111 middle grade students in an urban California school district found that...

"Students with greater understanding of morphology

Kieffer, M.J. & Lesaux, N. K. (2007). "Breaking down words to build meaning: Morphology, vocabulary and reading comprehension in the urban classroom.

The Reading Teacher 61(2), pp. 134-144.



What Does the Research Say?

A study of 111 middle grade students in an urban California school district found that...

"Students with greater understanding of morphology also have higher reading comprehension scores..."

Kieffer, M.J. & Lesaux, N. K. (2007). "Breaking down words to build meaning: Morphology, vocabulary and reading comprehension in the urban classroom.

The Reading Teacher 61(2), pp. 134-144.



What Does the Research Say?



Review of Educational Research June 2010, Vol. 80, No. 2, pp. 144–179 DOI: 10.3102/0034654309359353 © 2010 AERA. http://rer.aera.net

The Effects of Morphological Instruction on Literacy Skills: A Systematic Review of the Literature

Peter N. Bowers and John R. Kirby

Queen's University

S. Hélène Deacon

Dalhousie University

The authors reviewed all peer-reviewed studies with participants from preschool to Grade 8 for this meta-analysis of morphological interventions



Results indicate that

• a) Morphological instruction benefits all learners.



Results indicate that

- a) Morphological instruction benefits all learners.
- b) It brings particular benefits for less able readers



Results indicate that

- a) Morphological instruction benefits all learners.
- b) It brings particular benefits for less able readers
- c) It is no less effective for younger students



What Do the Standards Say?

Key word roots build conceptual knowledge that allows students to make **semantic connections** between words.

The study of morphology (roots) help students understand how words work.















Illinois Learning Standards





English Language Arts Standards Revision





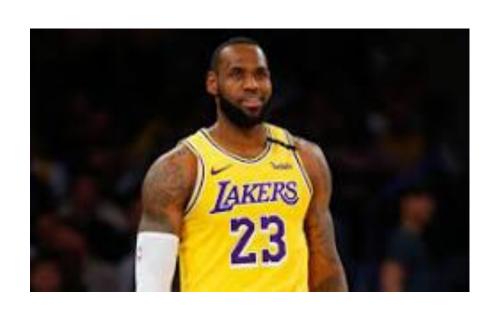
5. Why Word Roots?

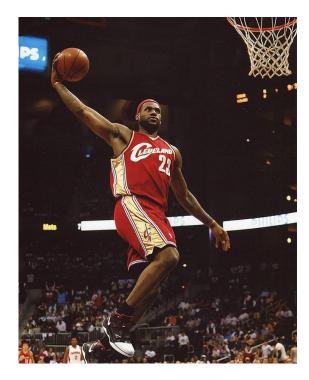
Word Roots Develops Students' Curiosity About Words



Roots Foster Curiosity About Words

Akron, Ohio



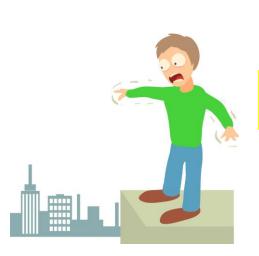




Curiosity About Words

Akron

acro = high or first



Acropolis

Acrophobia

Acrobat

Acronym





Akron

Highest Spot in the State of Ohio?



Akron

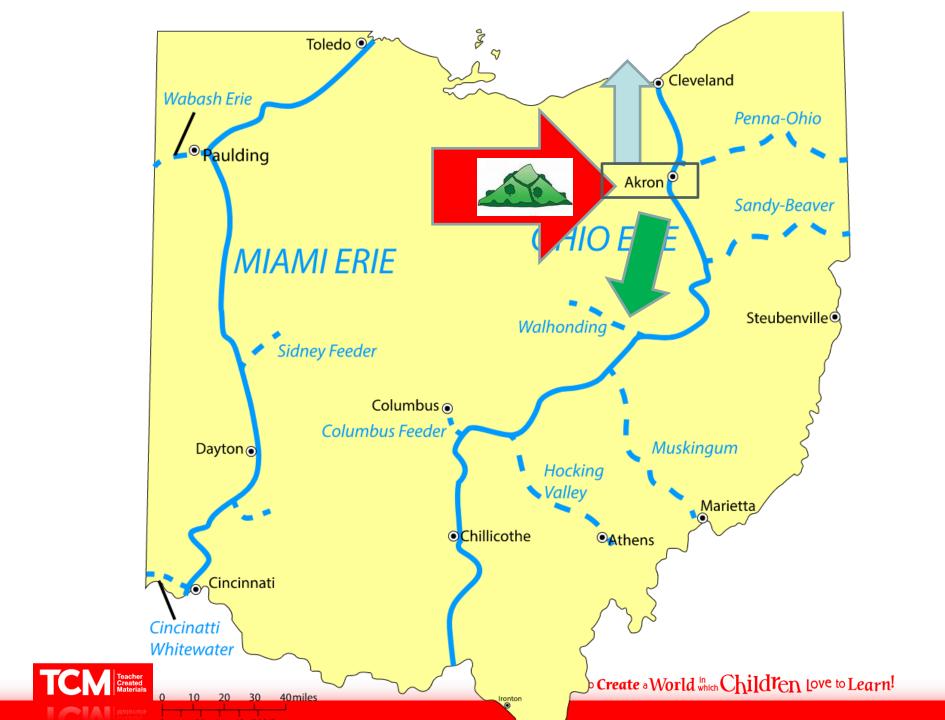
Highest Spot in the State of Ohio?

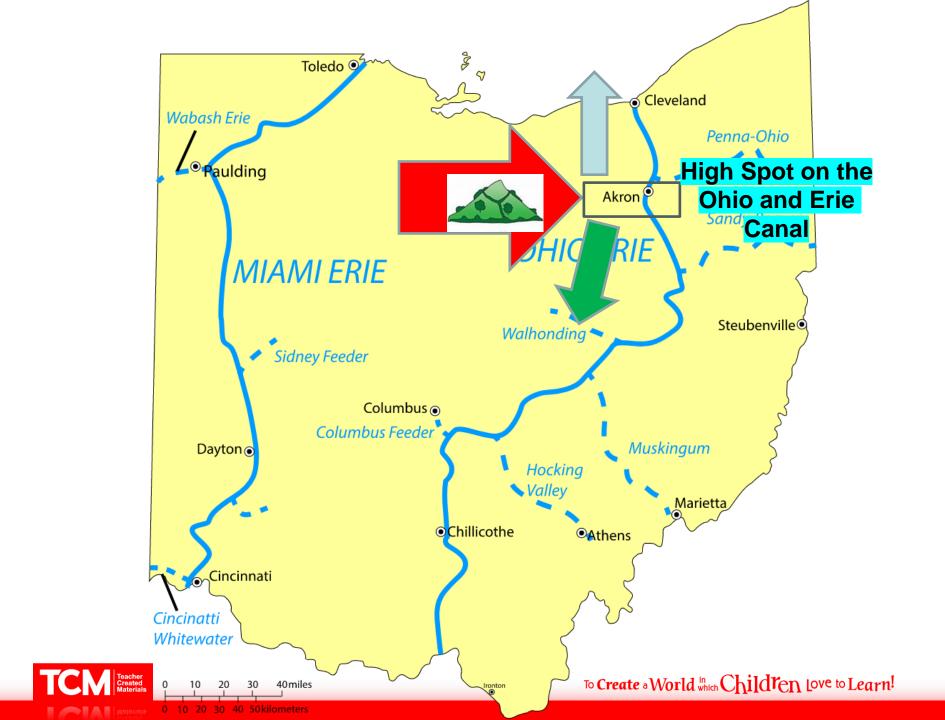
Wrong





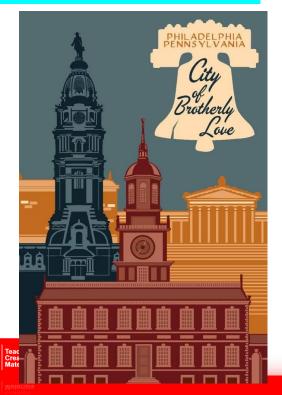




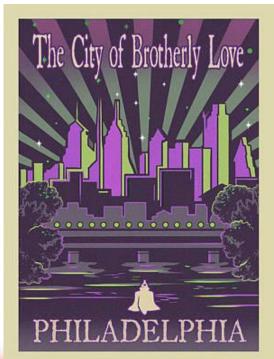


Did You Know? How Philadelphia Got its Name?

Phil/Phile = Love



Adelphos = Brother



ldren Love to Learn!

EXT: A.Word.A.Day--neophile



Wordsmith < wsmith@wordsmith.org >

To Rasinski, Timothy

i If there are problems with how this message is displayed, click here to view it in a web browser.

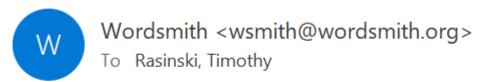
Click here to download pictures. To help protect your privacy, Outlook prevented automatic download

A.Word.A.Day with Anu Garg





EXT: A.Word.A.Day--neophile

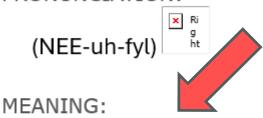


(i) If there are problems with how this message is displayed, click here to view it in a web browser.
Click here to download pictures. To help protect your privacy, Outlook prevented automatic download

A.Word.A.Day with Anu Garg

neophile

PRONUNCIATION:



noun: One who loves new or novel things.

Do you know anyone who is a neophile?

ETYMOLOGY:

From Greek neo- (new) + -phile (lover). The opposite is neophobic.



6.

So How to Make Word Root/Morphology Study Actually Happen?



So How to Make Word Root/Morphology Study Happen? Weekly Instructional Routine Ten Minutes Per Day



So How to Make Word Root/Morphology Study Happen?

Ten Minutes Per Day

Have a
Weekly
Word Root
Focus



So How to Make Word Root/Morphology Study Happen?

Ten Minutes Per Day

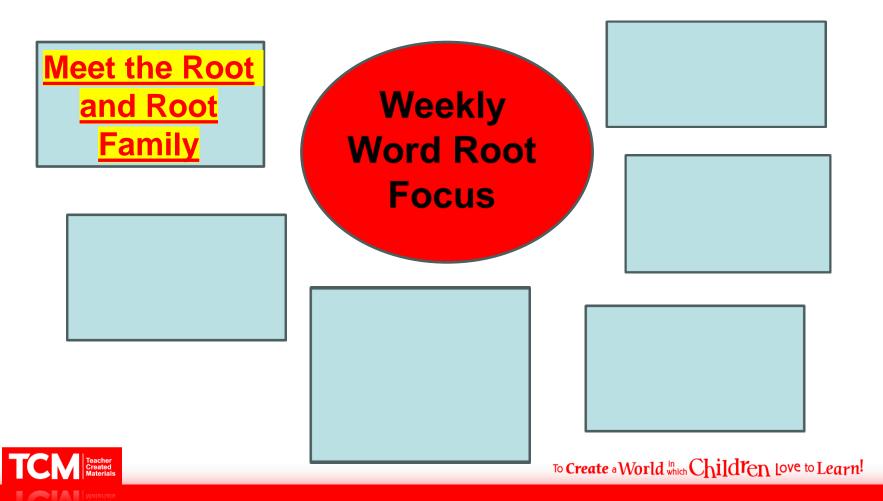
Spaced & Varied vs Massed Practice





So How to Make Word Root/Morphology Study Happen? Weekly Routine

Ten Minutes Per Day



So How to Make Word Root/Morphology Study Happen?

Ten Minutes Per Day

Meet the Root and Root Family

Analyses:
Divide & Conquer

Weekly
Word Root
Focus





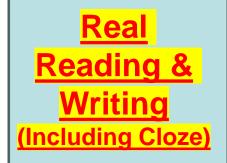
So How to Make Word Root/Morphology Study Happen?

Ten Minutes Per Day

Meet the Root and Root Family

Analyses: Divide & Conquer

Weekly
Word Root
Focus







So How to Make Word Root/Morphology Study Happen?

Ten Minutes Per Day

Meet the Root and Root **Family**

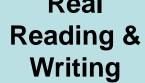
> **Analyses:** Divide & Conquer

Weekly **Word Root** Focus

Real Writing

Combine & **Create** (compose English words & sentences)

To Create a World in Children Love to Learn!





So How to Make Word Root/Morphology Study Happen?

Ten Minutes Per Day

Meet the Root and Root Family

Analyses: Divide & Conquer

Weekly
Word Root
Focus

Real
Reading &
Writing

Extend/Explore
Review
Cloze/Games
Phrase Matching

Combine &
Create
(compose English
words & sentences)

TCM Teacher Created Materials

To Create a World in Children Love to Learn!

So How to Make Word Root/Morphology Study Happen?

Ten Minutes Per Day

Meet the Root and Root Family

Analyses: Divide & Conquer

Weekly
Word Root
Focus

Real
Reading &
Writing

Unit Review
Assessment
(every 5 Lessons

Review
Cloze/ Games
Phrase Matching

Combine &
Create
(compose English
words & sentences)



To Create a World which Children Love to Learn!

So Where to Start

Choose 1-2 Roots Per Week



So Where to Start

- Choose 1-2 Roots Per Week (April 22)
- Earth Day
 - Geo-
 - Terra-





Geo...

- Geometry
- Geography, Geographic
- Geology
- Geothermal
- Geodesic
- Geocentric
- Geocyclic
- Geo-economics
- Pangea





Terr(a) = Earth/Land

- Terrain
- Territory
- Terrace
- Terrarium
- Terrazzo
- Terra Cotta
- Subterranean

- Extraterrestrial
- Mediterranean
- Terrier





Social Studies Connections





Terr(a) = Earth/Land

- Terrain
- <u>Territory</u>
- Terrace
- Terrarium
- Terrazzo
- Terra Cotta
- Subterranean

- Extraterrestrial
- Mediterranean
- Terrier
- Terre Haute, Indiana





Lumbricus Terrestis?

Scientific name for an earth worm.





Ask Students to Notice Roots

GN goes greener, pumping \$614 into electric bus builder Proterra

By Brent Snavely YAZOT AZE

DETROTT - General Martins venture electors transmissis

"descristrates our commitment to the electrification of the automobile."

million injection of cash led by Silicon - Antonio - also have agreed to rest Valley venture capital firm (Gener Per-) preproduction versions of the has. kins Caufield & Byers.

Comato, president of Protorra, says the Inchien a year ago to give the automakcompany's last-charge dystem can re- or an edge in new green technologies. charge the busing jest 10 intentes.

capital and will invest \$6 onlines in Ephtweight composites, is averaging the business and the way we do that is Protection a company developing are up to 24 mpg diesel equivalent in test-live make, equity investments in start big about six tiones more than a typical up companies, that are developing Jon anachier, president of GM Ven-shesel bus. Three are being tested by mext-gareranon, automotive-related tures, says the financing for Protonal Football francia in West Covina, Calif Technology Lauchner says. Proterra cays two other transit systems The money from GM is part of a \$30. Tabassee, and VIA Memopolitization Sain. Sible love sments

Proterra's Ecologie BE 35 all electric drive and maintain Proteina's bases. Lauckner laws. bus has liftborn-ion battery nacis that in peritheir liberary common plate radius

"We are making investments in ted-The BC-35, which has a body prade of inviory to Eupport CAPs core randome-

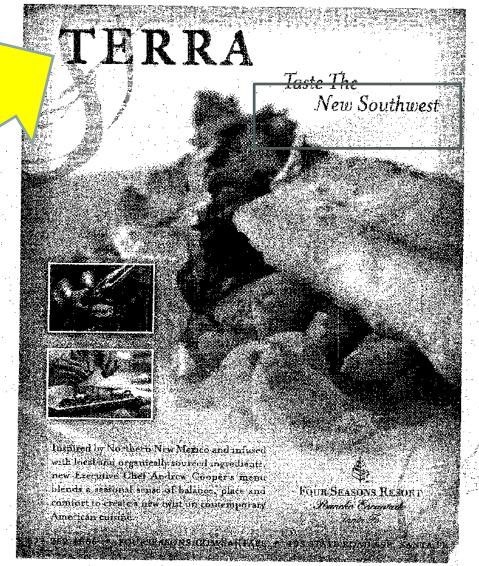
So far CM has myested \$26 million. - Star Metro, the transit system for Tal- and has reviewed induction 350 pro-

"We have a couple of more than are closing in the very new fature, which Granato says the cost to purchase," will bount that figure a fair unpoint."





Noticing







Labor Day!

- Labor = Work
 - Laboratory
 - Laborious
 - Belabor
 - Laborer
 - Collaborate
 - Elaborate





Fathers' Day Pater-/Patr-

- Paternal
- Paternalistic
- Paternity
- Patriarch
- Patrician
- Patron
- Patronize
- Padre





Fathers' Day Pater-/Patr-

- Paternal
- Paternalistic
- Paternity
- Patriarch
- Patrician
- Patron
- Patronize
- Padre



Patriot – Lover of the Homeland or "Fatherland"



Thanksgiving Grat / Grac = Thanks

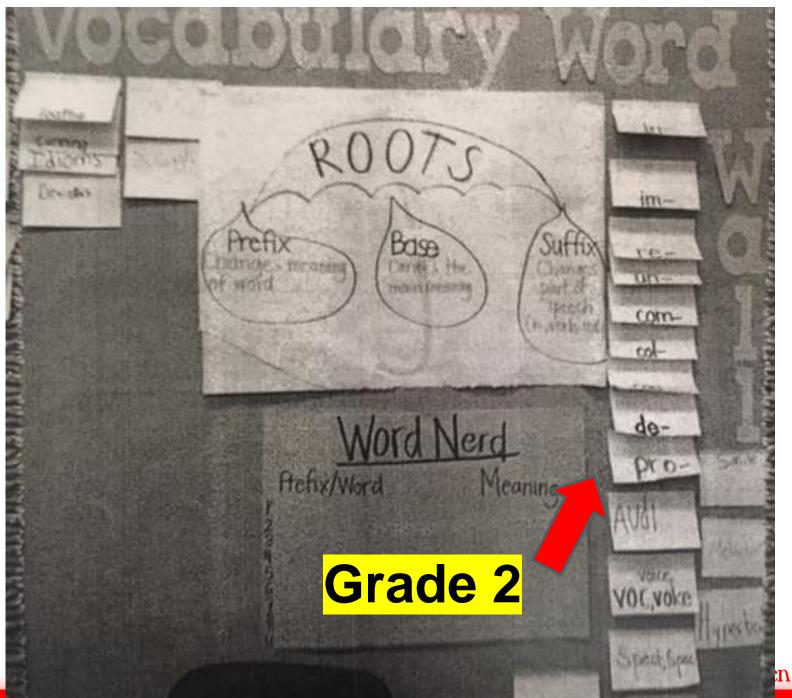
- Gratitude
- Grateful
- Grace
- Gracious
- Gratuity
- Gratify
- Ingrate
- Congratulate
- Gracias



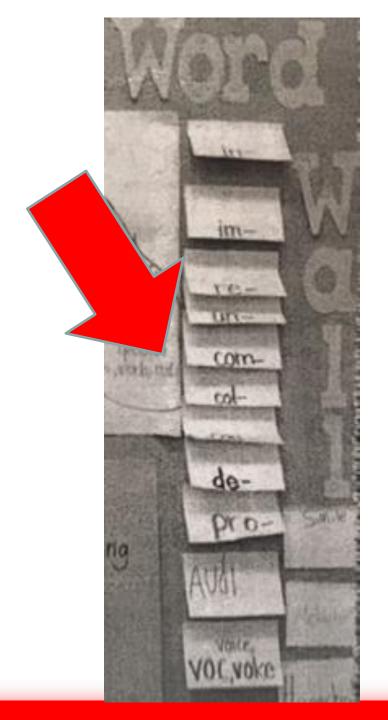


A Latin-Greek Roots Word Wall!

Atterior-near the front Antebellium - A certod before war Attetype - An extreer form. Antecedent - A preceding occurrence or cause or Antecessor-A person who ques before Rost fostmark—a mark made by a stamp after received At the total office Postpone - to put off to A later date, to not do At the original time post-homous - happening After death post-script - A note written After A letter is WITHELD Postmeridian - happening After Incon



 ${f n}$ Love to Learn!





Sub - means under Subway-travel underground Substitute - work under another person's plans Subtract-pull #'s under sea under the Substance - Underlies Submit - to send under

Then What?



The Instructional Routine: (10 minutes per day)

- Day 1:Meet the Root (Demonstration)
 Teacher introduces root with discussion & word lists.
- Day 2: Divide and Conquer (Guided Practice)
 Teacher helps students dissect words to unlock meaning.
- Day 3: Read and Reason (Independent reading and writing practice in context). Students read passages with root words in context.
- Days 4-5: Extend & Explore
 Students engage with academic phrases & multiple forms of words in quick & enjoyable activities!



Tuesday – Divide and Conquer



Second Graders and Roots! Divide and Conquer

Name Marin	na Corrad	
	Divide and Conqu	<u>er</u>
P +	Base	Meaning
2. Uni	Corn	one horn
2. <u>UNI</u>	aye	one of a kide
3. <u>UNÍ</u>	forni	one par of CIOZI
4. Uni	CACLE	one wheel
-		
6.	manadadalinda,emmen essida, Paligo, procedente minera	The second section of the section of th
7	Annual Control of Cont	
	Odd Word Out	
uniform	<u>n</u>	(Unique)
unitara	15	



Second Graders and Roots!



Divide and Conquer

2.

3.

4.

6. ____

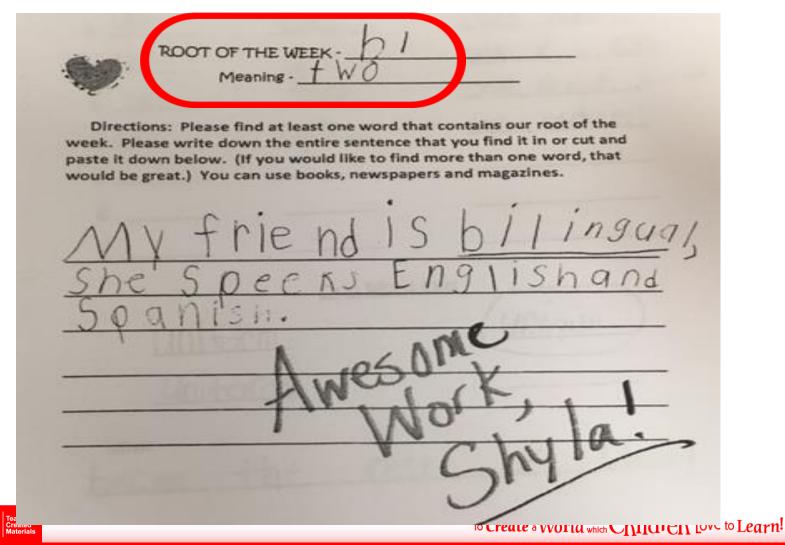
Base

Control of the Contro

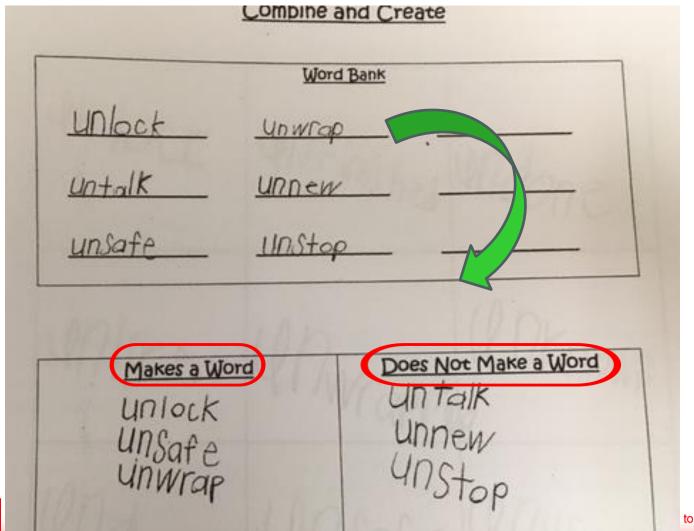
Meaning



Wednesday Read/Write in Context



Thursday Word Sorts and More





Word - Analysis

Semantic Feature Analysis

Semantic Feature Analysis (SFA) is another way for students to visualize similarities and differences among related words"

(pg. 86).

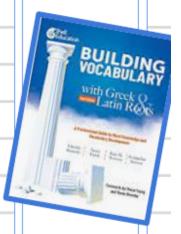
Charms Semantic Feature Analysis

Evidence-Based Intervention!

Directions: Compare charms by marking with a "X" on each feature it contains.

When finished, compare each object. What similarities do you see? What differences?

	Mark Com	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	The flat from	The state of the s	
Shooting Star					
Rainbow					
Blue Moon					
Pot of Gold					
Green Hat					
Pink Hearrt					
Purple Horseshoe					
Red Balloon					



Children Love to Learn!

Word - Play

Word Theater

Similar to the game of Charades, it's purpose is to "help students builtor reinforce conceptual knowledge by acting out meaning of new vocabulary" (pg. 91).

Name

360° Words

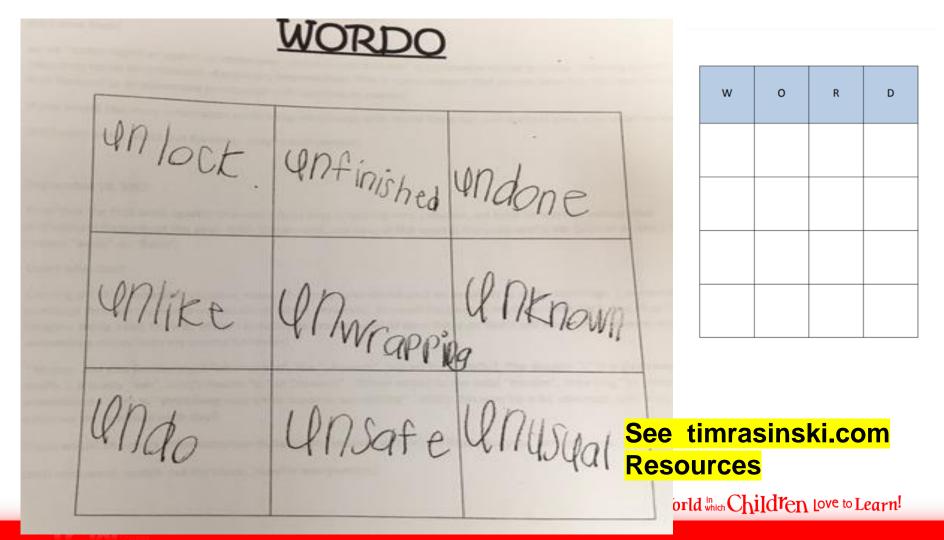
Move III Make III Mean III

Mark III

Make a mark when you hear, read, or use the word.



Friday – Go for the Gold! Word Games or Assessment



But Wait! There's more you can do with word roots.



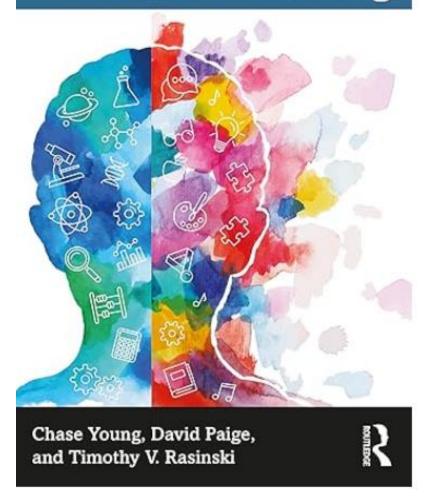
Students can Create their own Words

Be the Bard!





Artfully Teaching the Science of Reading





Students can Create their own Words

Be the Bard!





Intaxication

Euphoria at getting a tax refund, which lasts until you realize it was your money to start with!

The Washington Post



Cashtration

 The act of buying or building a house, which renders the subject financially impotent for an indefinite period of time.

The Washington Post



Inoculatte

 To take coffee intravenously when you are running late!

The Washington Post



Students can "Be the Bard" Create their own Words

Autophile

- Car keys
- Mirror
- Wallet full of money



Autophile

- Auto = self
- Phil/phile = love

Anglophile Francophile Philosopher Philanthropist





Matermand



- Mater mand
 - Mater/Matr = mother
 - Maternal, matriarch, matron



- Matermand
 - Mater/Matr = mother
 - Maternal, matriarch, matron
 - Mand = order
 - Com<u>mand</u>, de<u>mand</u>, repri<u>mand</u>
 mandate, mandatory



- Matermand
 - ► Mater = mother
 - ► Mand = order

A mother's order





You Be the Bard Combine and Create: Invent a Word!

Ante- (before)

Anti- (against)

Inter-

Uni-

Bi-

Tri-

Re-

Pan- (all)

Pre-

Circum-

Semi- (half)

Aqua

Aud (Hear)

Bene (Good)

Cent (100)

Dem (People)

Dent (Teeth)

Mater

Pater

Phil(e) (Love)

Polis (City)

Psuedo

Terr(a) (Earth/Land)

-er/or

-ery

-ful

-ness

-ology

-ologist





Fun Facts--Did You Know? Dec = 10

Decade, Decathalon, Decimal, Decagon,



Fun Facts--Did You Know? Dec = 10

Decade, Decathalon, Decimal, Decagon,

??? December ???



Did You Know? Dec = 10

Decade, Decathalon, Decimal, Decagon, December

Decimation

Today, the words **decimate/decimation** mean to destroy or hurt something gravely. However, the original meaning of **decimate** shows us that ten was an essential word root. **Decimate** and **ten** harken back to a brutal practice of the army of ancient Rome. A unit that was guilty of a severe crime (such as mutiny) was punished by selecting and executing one of every ten of its soldiers, thereby frightening the remaining soldiers into obedience.



Clip Art Roman Legion, Free

Building Vocabulary (2nd ed)

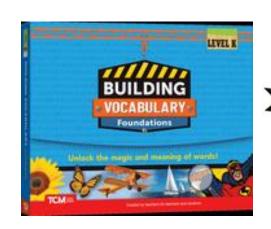


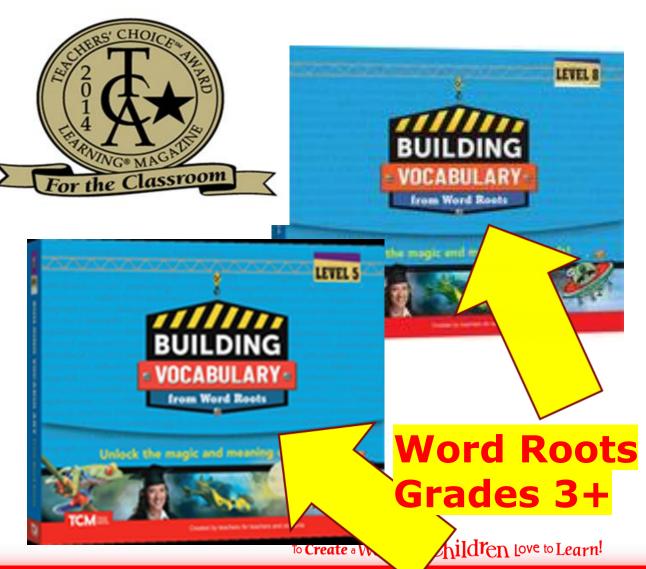
Word Families/Rimes





Building Vocabulary (2nd ed)







This year our school purchased the Building Vocabulary Toolkit. I have been so encouraged by this resource and the intentionality behind the program. Previously, I was putting together my own morphology units of study and was truly overwhelmed never knowing exactly which roots to choose. We love the systematic approach to the toolkits, and I feel much more confident in my delivery now that we have the toolkits at each grade level. Sue/Ellie Lee, English Language Arts. Nashville TN



Here's an example of an actual lesson (Gr 5, Unit 3):

DUC/DUCT = To Lead

Con<u>duc</u>tor

In<u>duc</u>e

Reduce

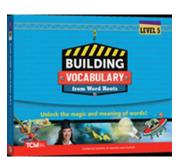
Deduction

Introduction

Aque<u>duct</u>

Tear duct

Ab<u>duc</u>tion





Teacher's Guide

The following information describes the key features of the *Teacher's Guide*.

Build Teacher Knowledge and Build Student Knowledge provide concise, essential, and necessary information about the roots taught in the lesson. This should be read prior to teaching, as many instructional choices may need to be made based on the information provided.

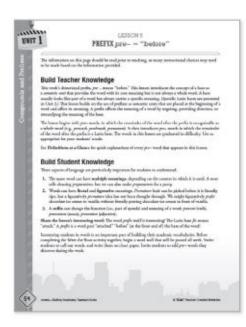
Differentiation Strategies provides options for additional support for specific student populations.



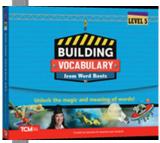
Cognate Connections are lists of Spanish cognates that share the root that is the focus of the lesson. This supports bilingual students in making connections to their home language.

Spelling Matters provides notes about root-related spelling issues, including how students can use roots knowledge to improve their spelling abilities.

Definitions at a Glance provides a list of the lesson's words and definitions. Complete lists are available on the Digital Resources.









Definitions at a Glance

from a home or other premises (ab- = away, from) (nouns: abduction, abductor)

aqueduct: a structure or system that "leads"
water from the source to its place of use
(aquale— = water)

conductor: one who guides and "leads" musicians together as they perform; also, a substance that channels or "leads" a current or electrical force (con = with, together)

deduce: to figure out or conclude (de- = down, off); literally, to "lead" a conclusion "down" from a general premise (adjective: deductive, noun: deduction)

deduct: to subtract from the total (de- = down, off); literally, to take or "lead" a number "off," down from the sum (noun: deduction)

duchess: the female "leader" of a European county or duchy; also, the wife of a duke

duct: a tube for "leading" air from a furnace to a vent or from a vent back to the furnace (see Did You Know? on Meet the Root Slide 45 for "duct tape"); a small tube that drains tears (tear duct)

duke: the male "leader" in a European county or duchy

educate: to instruct, teach, or train (e- = out); literally, to raise or "lead" "out" of childhood by teaching (noun: educator)

education: the act or process of teaching and instructing; literally, the raising or "leading" "out" of childhood

induct: to "lead" into a society or special
group; to draft or "lead" into the army (in= in, on, into) (nouns: induction, inductee)

introduce: to "lead" or bring someone inside a group; also, to "lead" or bring something inside a standing body for the first time (as in "to introduce an idea") (intro— = inside)

introduction: the opening portion of a book designed to "lead" the reader inside the main text; also, the opening section of a musical performance designed to "lead" listeners inside the entire work; also, the meeting of someone who is "led" inside a group for the first time (intro— = inside) (adjective: introductory)

produce: to generate and "lead" forth into existence; to create or give birth to; to "lead" forth a play or program for an audience; as a noun (accented on first syllable), fruits and vegetables that are "led" forth from the earth (pro— = forth, forward, ahead) (adjective: productive, noun: productivity)

product: anything made, created, or "led" forth into being; anything produced; in math, the result of multiplying two or more numbers (*pro*— = forth, forward, ahead)

production: the act or process of crea and "leading" something forth into be also, a play or presentation for screen of stage that is "led" forth (noun: produ

reduce: to make less or smaller (re- = again); literally, to "lead" "back" to an earlier and smaller size, scale, or amou

reproduce: to make copies; to procrea have offspring (re- = back, again; proforth, forward, ahead); literally, to "lea

"forth" into being "again" by copying or by giving birth (noun: reproduction)





Definitions at a Glance

from a home or other premises (ab— = away, from) (nouns: abduction, abductor)

aqueduct: a structure or system that "leads"
water from the source to its place of use
(aquale— = water)

conductor: one who guides and "leads" musicians together as they perform; also, a substance that channels or "leads" a current or electrical force (con- = with, together)

deduce: to figure out or conclude (de- = down, off); literally, to "lead" a conclusion

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31 words derived from

the duc word root

county or duciny; also, the wife of a duke

duct: a tube for "leading" air from a furnace to a vent or from a vent back to the furnace (see Did You Know? on Meet the Root Slide 45 for "duct tape"); a small tube that drains tears (tear duct)

duke: the male "leader" in a European county or duchy

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education: the act or process of teaching and instructing; literally, the raising or "leading" "out" of childhood

induct: to "lead" into a society or special group; to draft or "lead" into the army (in— in, on, into) (nouns: induction, inductee)

product: anything made, created, or "led" forth into being; anything produced; in math, the result of multiplying two or more numbers (pro— = forth, forward, ahead)

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reproduce: to make copies; to procrea have offspring (re- = back, again; proforth, forward, ahead); literally, to "lead

"forth" into being "again" by copying or by giving birth (noun: reproduction)





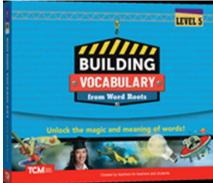
en Love to Learn!

"lead"

Lesson 13: Latin Base duc, duct

Directions: Turn to your partner. Talk about the meaning of "lead" in each of the words. Fill in the blank spokes with two other *duc*, *duct* words that have the meaning of "lead."

conduct education produce introduction * *duc*, *duct* = "lead" *





Divide and Conquer

Directions: Draw a slash after the prefix in each word. Write the meaning of the prefix in the first blank. (**Hint:** Use the Prefix Bank. An *X* means that this word has no prefix.) In the second blank, write the meaning of the base. Then, pick the best definition from the Definition Bank. Write the letter in the box.

Prefix Bank

ab-= away, from de-= down, off

e− = out

re- = back, again

Word

Prefix means

Х

Base means

- reduce
- 2. abduction
- educator
- 4. duct
- deduction

Make It Yours!

Definition Bank

- 1. Choose two words, and use both of them in the same sentence.
- 2. What are some words or phrases similar in meaning to reduce?
- 3. How are the words *educator* and *educate* different in meaning?
- 4. Use the word *abduct* in a sentence.

 Share your sentence with a friend.

- A. to make smaller or lead back to an earlier size or number
- B. a teacher who leads students as they grow out of childhood
- C. a tube or pipe that leads air to or from a furnace
- an amount subtracted or led down from the final sum
- E. the act of kidnapping or leading a person away from the premises







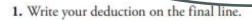


Directions: Read this passage, paying close attention to the *stalicized* words. Then, answer the questions.

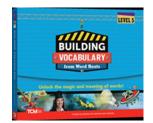
When we figure something out, we say that we deduce it. We bring or "lead" an idea "down" to our level, where it makes sense and is easy to understand. The process of deduction involves using logic or reason to reach a conclusion. Deductive reasoning involves three steps. Here is an example:

- A. All human beings breathe. (the beginning idea or premise)
- B. I am a human being. (the proof or evidence)
- C. Therefore, I breathe. (the conclusion or deduction)

Let's put your deductive reasoning to work!



- A. premise: All dogs are mammals.
- B. evidence: Rover is a dog.
- C. deduction:
- 2. Create your own deduction, and share it with a friend.
 - A. premise:
 - B. evidence:
 - C. deduction:







Directions: Words can change meaning, depending on how they are used. Here are five words. You will use the same words twice.

conductor introduction reduction deduction produced	ice			
1. I need to this photograph to make it fit	my screen.			
2. The chicken four eggs.				
3. After reading the, I am excited to read the whole book.				
4. The made a spectacle of himself by wild	ly waving his baton.			
5. The manager at my job decided to my l	nours.			
6. Copper is an excellent of electricity.				
7. Check your receipt. Did the cashier take off the coupon?	for the			
e Bulli	1			



9. He ______ the school play with such success that he won a trophy

10. Let me give you a proper ______ before you deliver your speech.







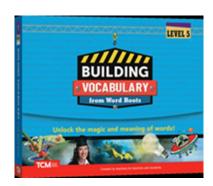
Directions: Draw a line to match the phrase with the context.

_			
P	ы	***	SI

- 1. a productive use of time
- 2. educational television
- 3. the produce section
- 4. deductive logic
- inducted into the Hall of Fame
- a reproduction, not an original
- 7. she deducted it from the bill
- 8. outstanding conduct
- 9. introductory remarks
- 10. it induced a headache

Context

- The athlete was recognized for her lifetime achievements.
- B. I got so much accomplished in just one hour!
- C. Before I begin, let me thank the following people.
- D. Your behavior was amazing! I'm so proud of you!
- E. All that pounding construction noise made my head throb!
- F. This is just a copy, not the real thing.
- G. The cashier took off the value of the coupon.
- H. Where can I find lettuce, tomatoes, and carrots?
- I. I learn so much on this channel!
- J. I concluded from her sunburn that she did not use sunscreen at the pool.





Base duc, duct

Which duc, duct word or phrase fits each description?

abduct

induct

introduce

hot air duct

conductor

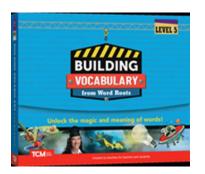
a pipe that "leads" heat from a furnace

to "lead" someone inside a group

to "lead" someone away from home by force

to admit or "lead" someone into the Hall of Fame

one who "leads" a group of musicians "together"



Base duc, duct

Match the *duc*, *duct* words with the correct description. (**Hint:** Look at the bold prefixes.)

produce

reduction

deduct

subtract by "leading" a number down or off of another number

"lead" back to a smaller amount

fruits and vegetables which the earth "leads "forward



Extensions



Did You Know?



Duck tape or Duct tape? Duct tape is a wonderful product! It is very strong and lasts for a long time. Some artists even make sculptures from it! Duct tape was invented to help people install furnaces in buildings. Long tubes made of light-weight metal called ducts were used to "lead" he air from the furnace to the rooms. These ducts came in sections that had to be joined together. Metal screws would not work because they would make holes in the ducts and allow air to leak. So, super-sticky duct tape did the job by holding the pieces together without piercing the metal. Duct tape was always grey

But a lot of people seem to have forgotten that this was the original purpose. They began calling it *duck tape*. Nowadays, you can find "duck tape" in many colors for art projects. Some like yellow because it matches ducks!

because it matched the color of the metal ducts.



Duct Tape Capital of the World

Field Review by the Team at RoadsideAmerica.com

Avon, Ohio

Duct tape is king in this Cleveland suburb.

Since 2004, a group of volunteers in town have organized and run the Avon Heritage Duck Tape Festival every Father's Day

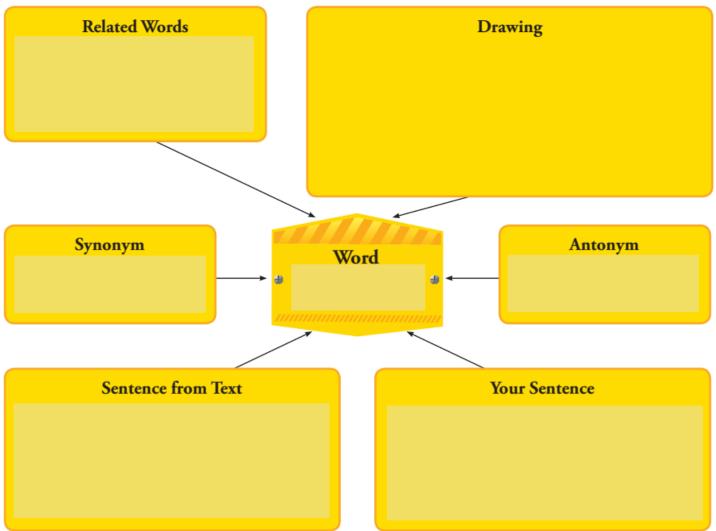


Elephant made of duct tape.

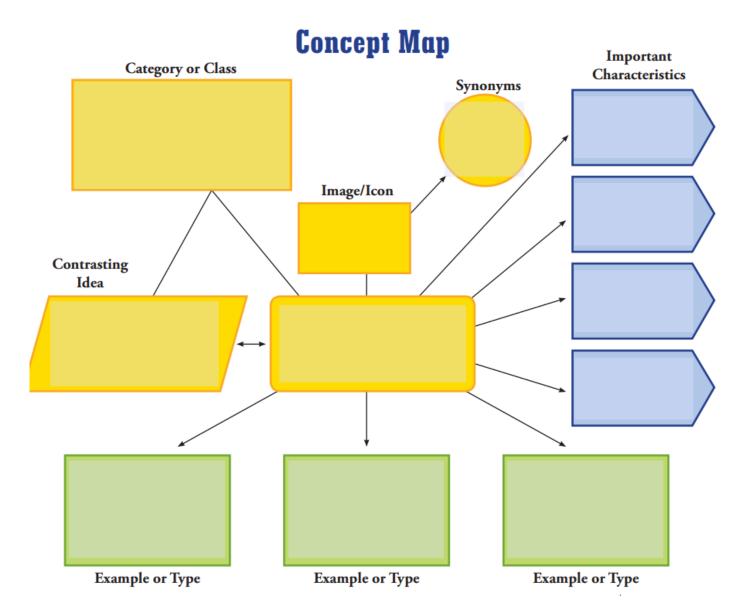


Digital Resources

Concept Map

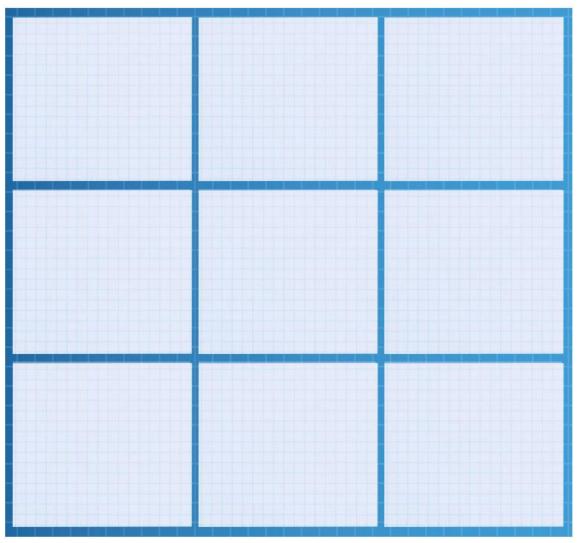






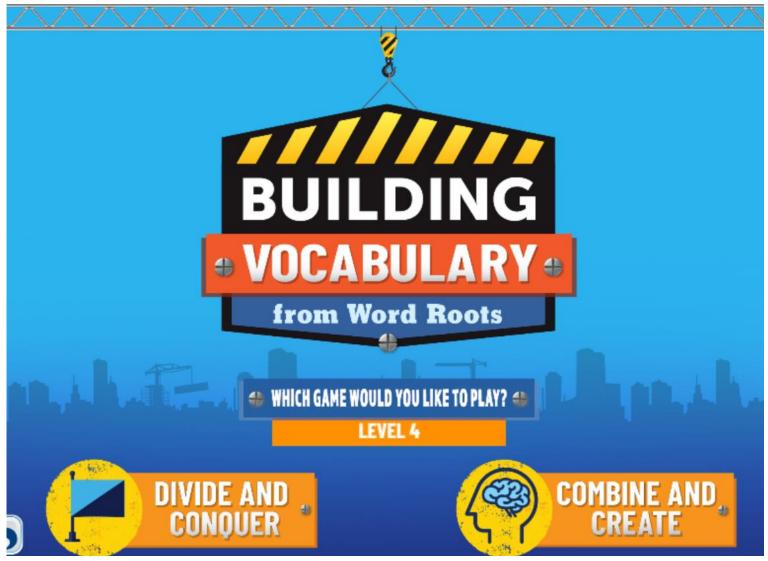


WORDO





Online Games





Be the Bard duc/duct

- Circumduction
- Autoduct
- Preproduce
- Exducation



Be the Bard duc/duct

- Circumduction
- Autoduct
- Preproduce
- Exducation >>>> Education



DUC/DUCT = To Lead

Educate, Education, Educator

To lead students out of darkness to the light of knowledge



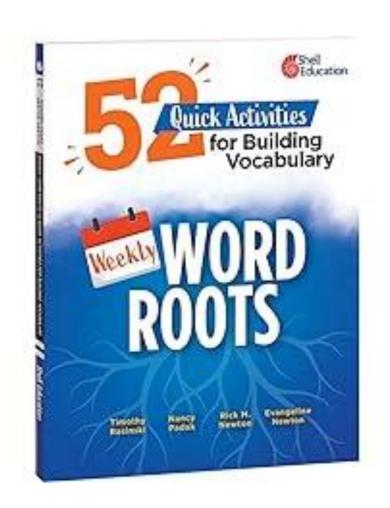


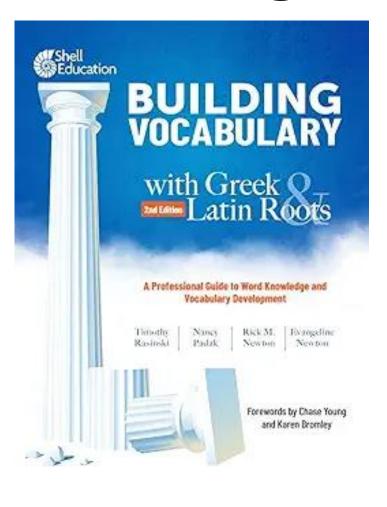
Latin- Greek Word Roots Next Steps

Continue the Word Root Journey



Professional Learning







www.timrasinski.com

EDUCATION WEEK

Published Online: April 12, 2016

Published in Print: April 13, 2016, as Can Latin Build Young Vocabularies?

Can Latin Help Younger Students Build Vocabulary?

By Liana Heitin

Fairfax, Va.

With students gone for the day, 6th grade teachers Joy Ford and Ryan Rusk sat in a classroom discussing the Latin root *temp*.

After determining that "contemporary" and "temporary" share the root, which refers to time, the two Woodlawn Elementary teachers then turned to the word "temptation."

"I'm tempted to eat this chocolate," said Ford. "That doesn't have to do with time."

"But if I'm tempted, I want it now," responded Rusk. "So could it?"



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THE LATIN-GREEK CONNECTION

Building Vocabulary Through Morphological Study

Timothy V. Rasinski Nancy Padak Joanna Newton Evangeline Newton

Using Latin and Greek word roots to teach multiple words is a more efficient approach than the traditional vocabulary instruction of teaching words as single entities.

www.timrasinski.com

Human Development [NICHD], 2000). Studies and reviews of research over the past three decades have shown that the size and depth of elementary students' vocabulary is associated with proficiency in reading comprehension and that instruction to increase readers' vocabulary results in higher levels of reading comprehension (e.g., Baumann et al., 2002; Beck, Perfetti, & McKeown, 1982; Kame'enui, Carnine, & Freschi, 1982; Stahl & Fairbanks, 1986).

Yet despite the promise of vocabulary instruction to improve elementary students' reading, consensus

attempts to address this situation by making the case for a very productive, efficient, and engaging approach to vocabulary and the study of words.

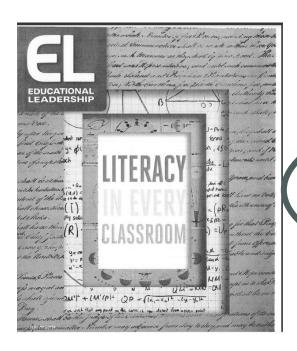
est that teach-

paches to base and

Focus on Meaningful Word Patterns

For young children, the development of morphological awareness is an integral component of word learning. Biemiller and Slonim (2001) determined that children acquire about 600 root word meanings per year from infancy to the end of elementary school. In a comprehensive review of 16 studies analyzing the effect of instruction in morphological awareness on

www.timrasinski.com





Studying Latin and Greek word origins makes vocabulary instruction resonate.

Timothy nasmown

esearch going back seven decades demonstrates that vocabulary knowledge is strongly associated with proficiency in reading comprehension Large vocabularies lead to better reading performance (Baumann et al., 2002; Davis, 1944) Amazingly, more than 80 percent of students

4th, 8th, and 12th grade students' vocabulary development shows that at all three grade levels, U.S. students have demonstrated no improvement at all in their vocabulary knowledge since 2009 (National Center for Education Statistics, 2015)

According to vocabulary scholar Margaret McKeown, very little vocabas painful and meaningless: weekly word lists and quizzes. Students may memorize words, spellings, and definitions, but these are quickly forgotten. The result of either approach—benign neglect or rote memorization—is stagnation in our students' vocabulary knowledge.



Timothy Rasinski

Products Blog Resources		Products	Blog	Resources	
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Professional Development

- Study Guide for Building Vocabulary with Greek and Latin Roots, (2nd Edition)-Tim Rasinski, Nancy Padak, Rick M. Newton, Evangeline Newton
- Tim Rasinski's Handouts for Professional Development: From Phonics to Fluency to Proficient Reading
- Building Vocabulary Professional Development Video
- Tools to Teach Academic Vocabulary Webinar

Research



- Building Vocabulary Pilot Research Report
- The Latin-Greek Connection Building Vocabulary through Morphological Study
- Building Vocabulary White Paper
- Building Vocabulary Frequently Asked Questions

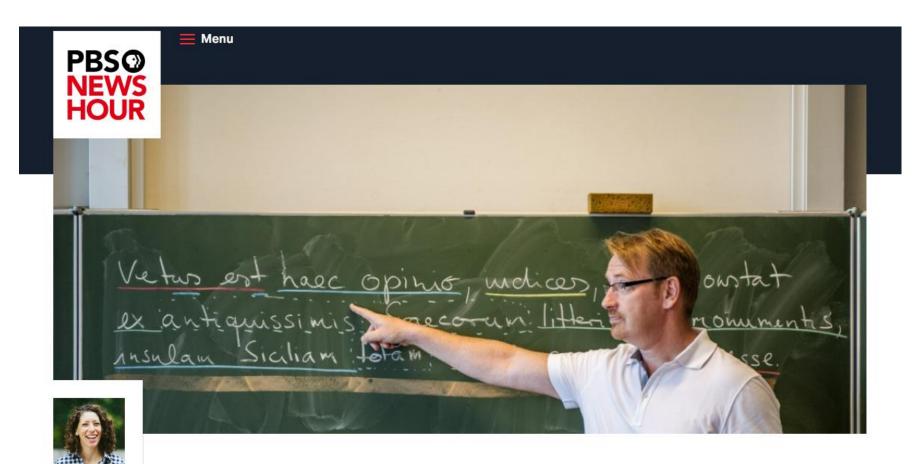
Articles

- A Little Latin and a Whole Lot of English
- Building Vocabulary in Summer School
- The Art and Science of Teaching Reading
- Fast Start The Effects of Fast Start Reading
- Fast Start Getting Parents and Children Off to a Strong Start in Reading
- Fast Start A 3-Year Study of a School-Based Parental Involvement Program in Farly Literacy



8. Does it Work? Science of Reading From the Trenches





By – Liana Heitin, Education Week

Can Latin help younger students build vocabulary?



Can Latin help younger students build vocabulary?

In just one year, Woodlawn School saw increases in its standardized test scores for reading, particularly at the grade in which most teachers were using Latin and Greek

roots.





Can Latin help younger students build vocabulary?

In just one year, Woodlawn School saw increases in its standardized test scores for reading, particularly at the grade in which most teachers were using Latin and Greek roots.

(The percentage of 4th graders passing went up by 28% and for 5th grade it rose 19%)





Alan Becker – ELA Supervisor, North Carolina

Introducing systematic Word Roots instruction resulted in the three classes of ELA that I was teaching a day producing the highest reading comprehension growth in the county according to the results of our statewide endof-grade test.



I attribute our success with the new standards (which mirror the Common Core) to our preparation with Greek and Latin word parts! Each grade level on the State test had questions regarding word parts (roots and affixes). Every school in our district met the reading Annual Measurable Objectives (VERY hard to do).

Dr. Nancy Guth
Supervisor of Literacy and Humanities
Stafford County Public Schools
Stafford, VA

Stafford County Public Schools

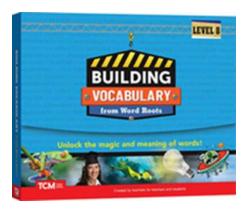
Inspire. Empower. Excel.



I love how Building Vocabulary gives engaging practice using affixes and Greek and Latin roots. Morphological analysis is the only vocabulary strategy that the students can transfer independently yet it is difficult to find materials that are colorful, engaging, and rich instructionally. We are using **Building Vocabulary to sharpen students' ability to use morphological analysis to construct meaning of unknown words, which we know will build their reading comprehension**. This is especially great for grades 3-5! Thank you for the creative, variety of activities to engage all students! Love it!

Virginia Taylor Reading Coach Hillsborough County, FL







Finally...

- Follow me on X (twitter)
 - @Timrasinski1

Or email me at trasinsk@kent.edu

To receive weekly Word Root resources/teasers to share with your own colleagues



Morphology Monday



Tim Rasinski

627 Tweets



Tim Rasinski @TimRasinski1 · Apr 22 1 of 3 Apr 22. Happy Earth Day!

Here's a quick Word Roots Vocab Lesson for Earth Day

Pls RETWEET for others parents & teachers to use. Thanks.

To Print: Click on Image then Copy & Paste to a word doc.

@ILA @NCTE @DyslexiaIDA @EdWeekTeacher @weareteachers @SavetheChildren

Earth Day on the Mediterranean Sea

A Word Roots Lesson for Earth Day - Terr(a)

On April 22nd, the whole world comes together to celebrate the planet Earth. You may already know that many familiar "earth" words come to us from the Latin base teer, which means "land, ground, earth." But did you know that teer often occurs in words that name geographical places? Here's how the Mediterranean Sea vot its name.

The ancient Romans lived in Italy, which is in the middle of the Mediterranean Sea. The Romans set out to conquer all the lands that touched this huge body of water: France, Spain, Libya, Egypt, Arabia, Greece, and the Middle East. The Romans called the world they conquered the "Circle of Lands" (orbits terranean), and they called this sea "Our Sea" (Mare Nostrum). We call it the Mediterranean Sea because it lies in the middle (Medi-) of all those lands (terr) once conquered by the ancient Romans.



See if you can figure out the "earth" connection in these words: territory, terrace, terrain, terrarium, extraterrestrial, subterranean, terrier: If you need help, look them up in an online dictionary.

BUILDING VOCABULARY

with Greek Quantum Latin Roots

A Professional Daide to Word Knowledge and Vocabulary Development

Theory Public Read M. Sevense Newsion



Cameron Carter and 9 others

Earth Day on the Mediterranean Sea

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See if you can figure out the "earth" connection in these words: territory, terrace, terrain, terrarium, extraterrestrial, subterranean, terrier. If you need help, look them up in an online dictionary.



Why Geologists Love Earth Day

Another Word Roots Lesson for Earth Day – Geo

Do you like rocks? Many people find rocks fascinating. If you are one of those people you might want to become a geologist. A geologist is a scientist who works in geology - the study of the physical history of the earth, the rocks of which it is composed, and the physical, chemical, and biological changes that the earth has undergone or is undergoing. The word geology comes from two Greek word roots – **geo**, meaning earth or land, and **-ology** which means the study of. So, geology means the branch of science that studies the earth and its features. Geologists study volcanoes and earthquakes; they also study the various materials that make up the earth, such as oil and minerals. The study of geology can be quite fascinating.

Knowing that the word root **pan** means all, why do you think that the word **Pangea** refers to the supercontinent that included almost all the landmasses on Earth in early geological times?



See if you can figure out the "earth" connection in these words: *geography*, *geometry*, *geode*, *geothermal*, *geocentric*, and *geodesic* dome and sphere. Can you match each image above with one of these "geo" words? If you need help, look them up in an online dictionary.



NATIONAL TORTILLA CHIP DAY – February 24



A Word Root Lesson focused on tort = twist

National Tortilla Chip Day celebrates the crunchy, curvy, and twisty snack loved by millions across the nation, is observed annually on February 24th. Tortilla chips are most commonly served with salsa, chili con queso, guacamole, or cheese dips. Tortilla chips are made from corn tortillas cut into wedges and then fried. Tortillas, themselves, are thin, flat, round cakes of unleavened commeal baked on a gridle. The name tortilla comes from the Latin which means "twisted bread."

Even though tortilla chips have always been considered to be a Mexican food, they were first produced in Los Angeles in the late 1940s. It is said that the triangle-shaped tortilla chips were made popular by Rebecca Webb Carranza as a way to use the misshapen tortillas that were rejected from the automated tortilla machine that she and her husband used at their Los Angeles deli and tortilla factory. Carranza realized that once the discarded tortillas were cut into triangle shapes and fried they twisted themselves into becoming a popular snack. She sold them for a dime a bag. Carranza received the Golden Tortilla Award in 1994 for her contribution to the Mexican food industry.

Source: https://nationaldaycalendar.com/national-tortillachip-day-february-24/

Match the tort word below with the appropriate image (How does each word include the idea of twist?)

Contortionist

Torture

Distortion







More tort words to explore:

Extortion Retort

Tortellini Torsion

Learn more about a Word Roots approach at www.timrasinski.com > Products. Contact

us at trasinsk@kent.edu



March 15 - World Contact Day



A Word Root Lesson on tact/tang = touch

Every year on March 15th, people around the globe unite on World Contact Day to attempt make contact or get in touch with extra-terrestrial (ET) life. Nearly half of all human beings believe that intelligent alien civilization exists. Those who believe other life forms exist think we should try to make contact with them. If you are one who doesn't believe in aliens, here are some facts to consider:

- The U.S. government takes UFOs seriously.
- · Scientists think that certain planets may be habitable.
- Many people claim to have personal contact with aliens and have been able to draw pictures describing their experiences.
- Many people have reported UFO sightings and have taken pictures to prove it.
- There are a lot of things that happen in the sky that are simply unexplainable.
 If aliens really do exist, why haven't we made contact with them?

What do you think about aliens and life beyond the earth? (Source: https://nationaldaycalendar.com/world-contact-day-march-15/)

The Latin's tact, tang means touch. It is found in many English words. Can you think of any?



tact/tang = touch

Match the descriptive phrase below with the tact/tang word on the right. Be sure to "touch bases" with a friend or teacher abou your choices.

- _____ Affecting the sense of "touch" such as sand paper.
- 2. ____ Capable of being transmitted, especially by "touch."
- 3. _____ Not perceptible by the senses, especially the sense of "touch."
- 4. ____ "Touching at a single point."
- 5. ____ An item that is not broken; "untouched."
- 6. _____ Being sensitive to the feeling of others, especially on "touchy" issues

- a. tangent
- b. tactile
- c. intact
- d. contagious
- e. tactful
- f. intangible

Choose the Correct Word:

certain to hurt his feelings.

My brother is so touchy, that any
_____(tangential, tactless,
contingent) comment by someone is

What does it mean when someone is described as touchy?

Learn more about a Word Roots approach at www.timrasinski.com > Products. Contact us at

trasinsk@kent.edu



November 11! Veterans Day!

A Day to Thank Those Who Have Served







A Word Roots Lesson (serv) honoring all who have served in the Armed Forces

One of the key meanings of the Latin roots serv/servat to "keep or save." Men and women who have served in the military services of the United States pledge to do their duty to keep their country safe.

Veterans Day honors military veterans who served in the United States Armed Forces. The holiday coincides with Armistice Day and Remembrance Day which marks the end of World War I. These observances reflect the end of significant hostilities at the 11th hour on the 11th day of the 11th month of 1918 when the Armistice with Germany went into effect, ending the First World War. Veterans Day is not to be confused with Memorial Day. Veterans Day celebrates all United States, military service veterans. Memorial Day is set aside for remembering the men and women who died while serving.

Complete each definition with a word from the Word Bank.

- 1. _____ Land that is "saved" or "kept back" for special purposes.
- 2. _____ To "keep" watch over something.
- 3. _____ The "saving" or protection of natural resources for future generations.

Word Bank

- a. ob<mark>serv</mark>e
- b. reservation
- c. conservation

Want to learn more about a Word Roots approach to Questions? Contact us at trasinsk@kent.edu

Or visit www.timrasinski.com > Products



Word Challenge: Hotels and restaurants often take reservations. Can you define a hotel or restaurant reservation? Be sure to use the word "keep or save" in your response.





Thanksgiving – A Day of <mark>Grat</mark>itude

Celebrating the Word Roots Grat-/Grac- = Thank







Thanksgiving Day is observed each year in the United States on the fourth Thursday in November. In 1621, the Plymouth colonists and Wampanoag Indians shared an autumn harvest feast of **gratitude** that is acknowledged today as one of the first Thanksgivings in the colonies. For more than two centuries, days of thanksgiving were celebrated by individual colonies and states. It wasn't until 1863, amid the Civil War, that President Abraham Lincoln proclaimed a national Thanksgiving Day to be held each November.

The word **gratitude** is based on the Latin root **grat/grac**, which means "**thank**." To feel **gratitude** is to feel **thankful** or to show appreciation for a kindness.

· -----

Match the grac-/grat- phrase in the box on the right with the descriptions below.

- _____ To "give thanks" before a meal
- To tip a food at a restaurant as a "thank you".
- To be "thankful" for your blessings.
- To show no "thanks" or appreciation for a favor.

- A. Feel grateful
- B. Display of ingratitude
- C. Say grace
- D. Leave a gratuity

Check out these other grac-/gratwords. What do each have to do with thanks or pleasing.

-In<mark>grat</mark>e -<mark>Grac</mark>ious

-Gratify -Gracias



Learn more about a Word Roots approach at <u>www.timrasinski.com</u> > Products. *Contact us at*

trasinsk@kent.edu



Laura Hancock, Ph.D. @Laura AHancock · Feb 13

Absolutely love Building Vocabulary with Greek and Latin Roots!

Theory, practice & extension activities. Odd Word out is a fav & much fun with students & adults.



MILLANDINAMAN

Tim Rasinski @TimRasinski1 · Feb 13

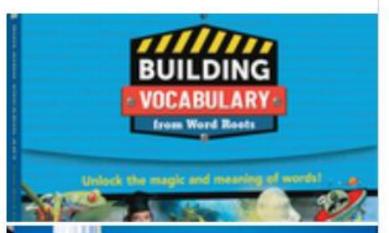
Morphology Monday!

In anticipation of Presidents Day (2,20) in the US, this week's Word Roots are "SID, SED, SESS = SIT"

"Joe Biden is the SITTING preSIDent"

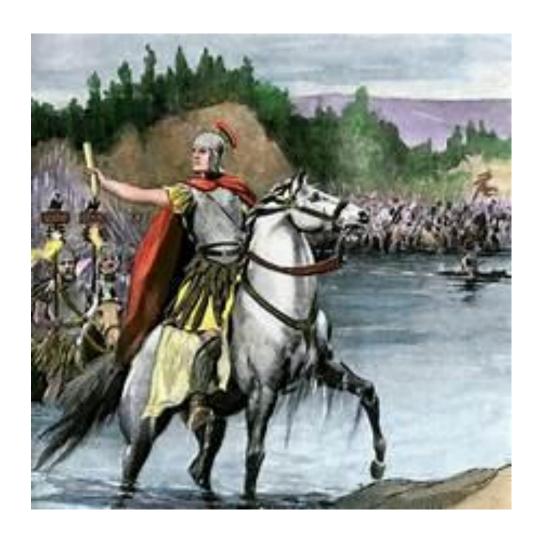
@ILAToday @ascd @DyslexiaIDA @reading_league @IMSEOG







VENI, VIDI, VICI





VENI, VIDI, VICI

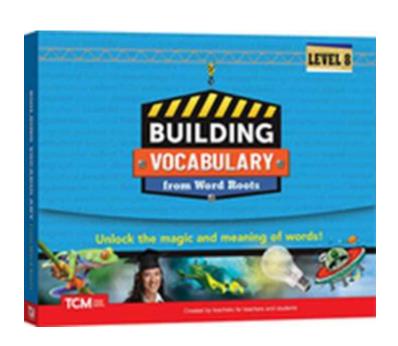
I CAME, I SAW, I CONQUERED





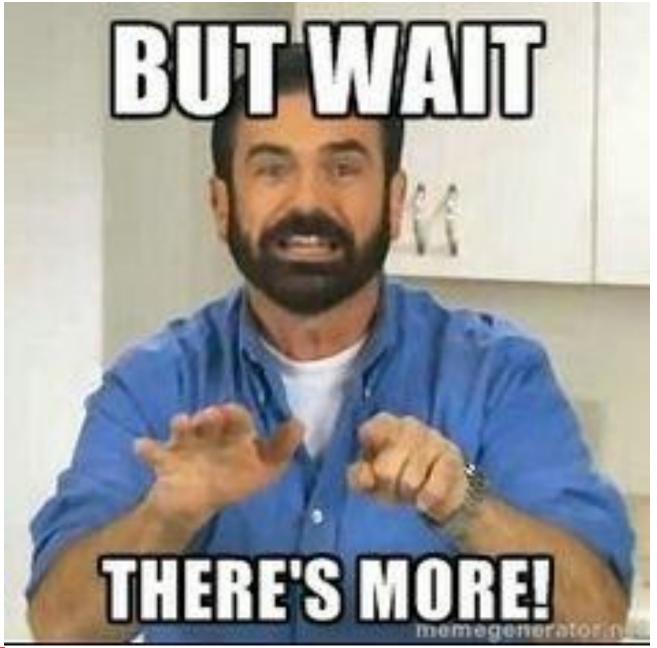
VENI, VIDI, VICI

I CAME, I SAW, I CONQUERED VOCABULARY!



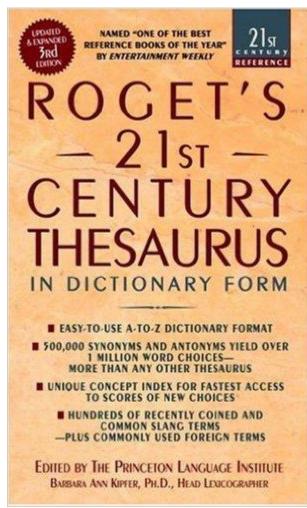


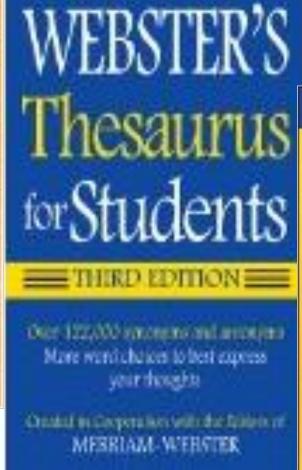






How to Use a Thesaurus





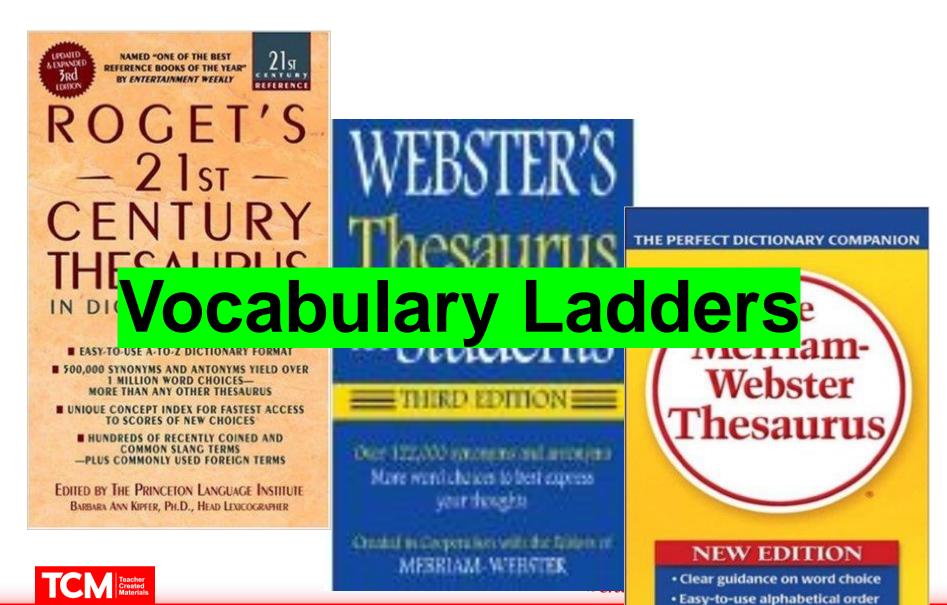
The Merriam-Webster Thesaurus

NEW EDITION



- Clear guidance on word choice
- Easy-to-use alphabetical order
 Most word choices—over 150,000

How to Use a Thesaurus



Most word choices—over 150,000

Vocabulary Ladders

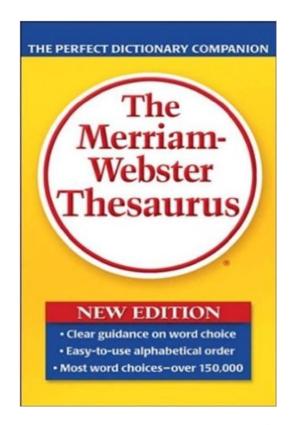
Here's a set of words that have similar meanings – to travel by foot:

Amble Dash

Walk Jog

Traipse Shuffle

Trot Plod





Vocabulary Ladders

Here's a set of words that have similar meanings – to travel by foot:

Amble Dash

Walk Jog

Traipse Shuffle

Trot Plod

Now order or ladder these words from slowest to fastest?



Vocabulary Ladders Slow to Fast!



Plod Shuffle Walk **Traipse Amble Trot** Jog Dash



Vocabulary Ladders

Here's a set of words that have similar meanings – to say or tell:

Yell Exclaim

Whisper Explain

Murmur Scream

Utter Snicker



Vocabulary Ladders

Here's a set of words that have similar meanings – to say or tell:

Yell Exclaim

Whisper Explain

Murmur Scream

Utter Snicker

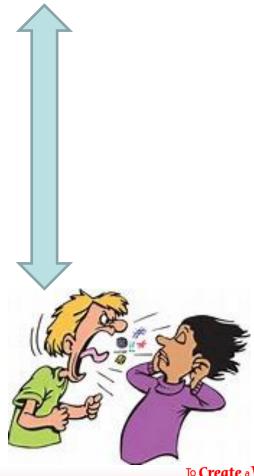
Now order or ladder these words from softest in volume to loudest.



Vocabulary Ladders Soft to Loud!

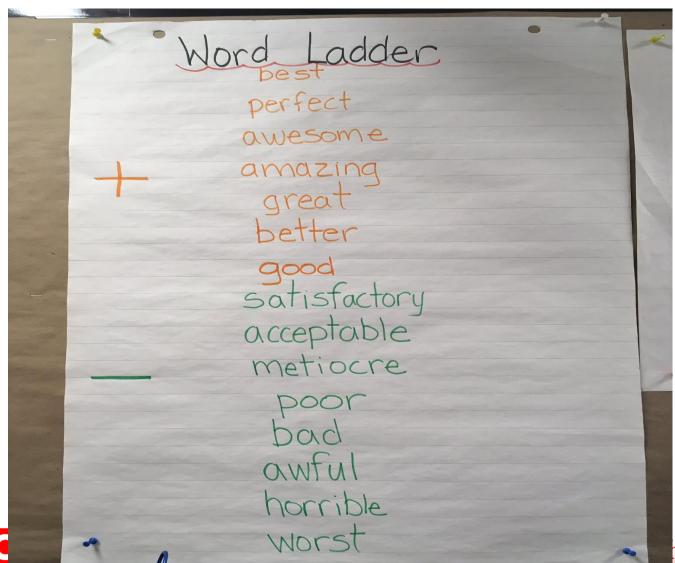


Whisper Murmur Utter Snicker Explain Exclaim Yell Scream

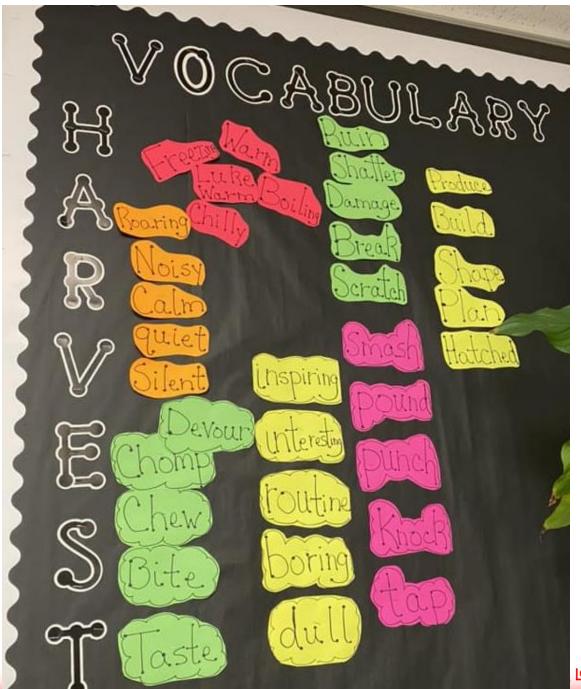




Positive to Negative

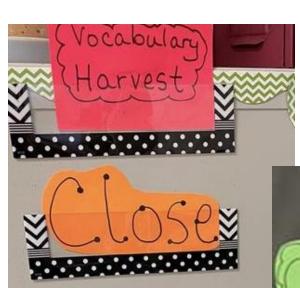


coarse terri fied wail timid scratchy fearful bawl shy bumpy alarmed whimper reserved giggle fuzzy opprehensive friendly bold sociable snicker sleek courageous chuckle outgoing satiny chortle silky extroverted heroic "Confidence" "Emotion" "Texture"





Love to Learn!



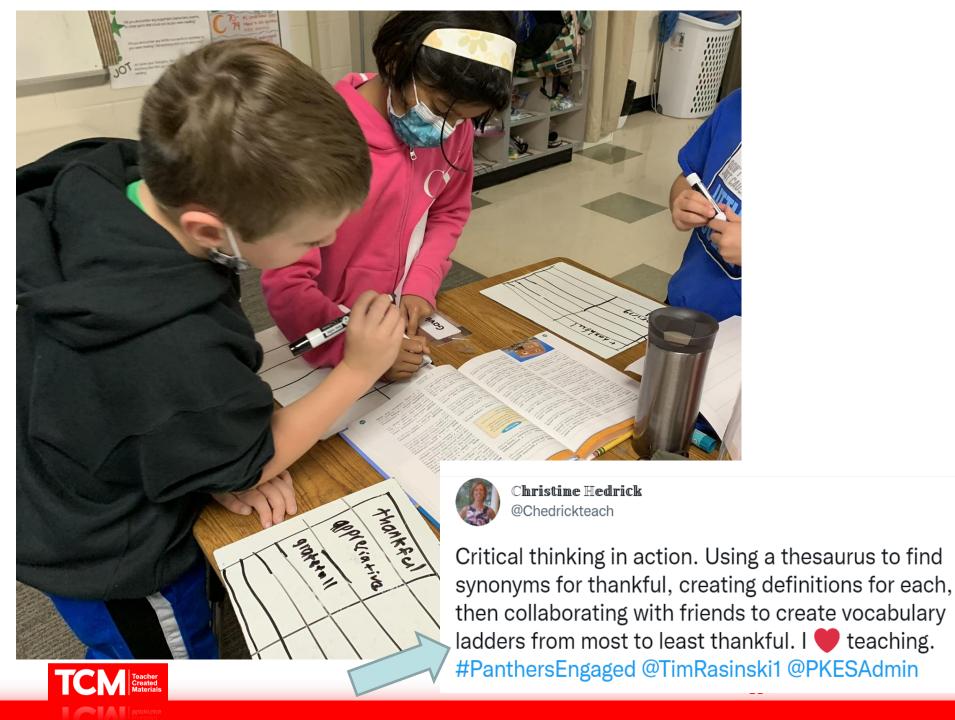


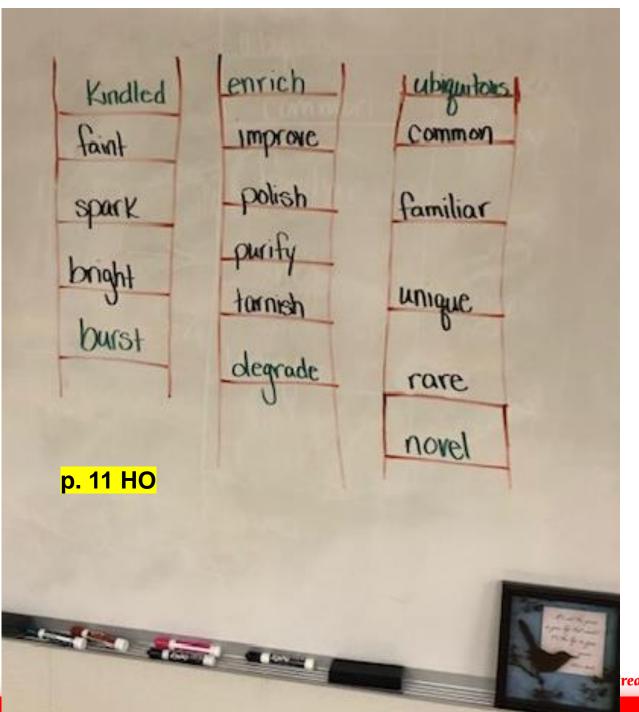












Hello Dr. Rasinski,

I mentioned in our last communication how much I love the vocabulary ladders and want to adapt the concept for my high schoolers. I tried some out with my AP Lit students, and they said they found them to be fun! We used the ladders as a catalyst for discussion about word nuance and how they can use this knowledge in their AP test writing. But mostly...my 17 and 18-yearolds said they were fun! lol

gave them the bottom and top rung, and they filled in the

reate • World which Children Love to Learn!

Vocabulary Ladders

Old Guy (Happy Birthday Tim)

Polite

Impolite



Vocabulary Ladders

Old Guy

Polite

Sage

Statesman

Elder



Impolite



Vocabulary Ladders

Old Guy

Polite

Sage

Statesman

Elder

Geezer

Grumpy Old Man

Old Fart!

Impolite







Let's End With Figurative Language! Idiomatic Expressions



Figurative Language!

Idiomatic Expressions –

The study of figurative language and idiomatic expressions is largely missing from or limited in our reading and ELA curricula and curricular materials. Go Figure!



Figurative Language!

And they are often presented in alphabetic order

A Idioms L Idioms

B Idioms M Idioms

C Idioms N Idioms

D Idioms O Idioms

E Idioms P Idioms

F Idioms R Idioms

G Idioms S Idioms

H Idioms T Idioms

I Idioms U Idioms

K Idioms W Idioms

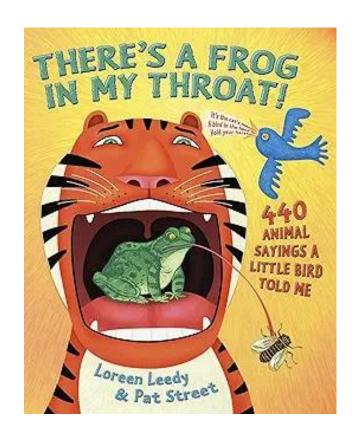


We Need a Better Resource



Need a Resource

· www.ldiomconnection.com





Need a Resource

www.ldiomconnection.com

Animal Idioms

Arm, Hand and Finger

Bird Idioms

Body Idioms

Business Idioms

Business Negotiations

Card Playing Idioms

Clothes Idioms

Color Idioms

Court and Judge Idioms

Ear, Eye and Nose Idioms

Education and School

Fish, Insect and Reptile

Food Idioms

Head and Mind Idioms

Heart Idioms

Initials





Teach Idioms by Theme or Topic - Baseball

How many baseball idioms can you think of?



How many baseball idioms can you think of?

Let's see if anyone can "hit a homerun!"





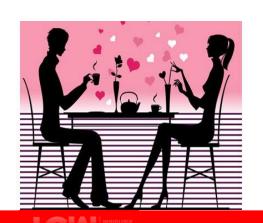
Three strikes and your out Out in left field Give me a ballpark figure on that Anyone ever play hard ball with you? Anyone every throw you a curve? Who's on deck? Keep your eye on the ball. Rounding third and heading home.



And of course



Going out on a date and making it past first base?





Now take it to the next level -

Have students write a story or other text using as many baseball expressions as possible.





Teach Idioms by Theme or Topic - Food

How many FOOD idioms can you think of?

You're the apple of my eye

It's as easy as pie

That's a half-baked idea

Hard nut to crack

Here's the story in a nutshell

Ever bite off more than you can chew?



Idiom Wall

Go bananas!	
Very excited!	
It's a piece of cake!	
Easy	
You're the apple of my eye	Very fond
It's as easy as pie	
Simple, not difficult	
That's a half-baked idea	
Not fully thought through	
Hard nut to crack	
Difficult	
Here's the story in a nutshell	Short
summary	
Ever bite off more than you can chew?	More than I can
handle	



Written Composition Using Figurative Language

Romeo and Juliet Told Through Sports Idioms

Right off of the bat, Romeo knew he was in love with Juliet. The problem was that across the board, the Capulets hated the Montagues. Romeo was behind the eight ball before he even had a chance to get the ball rolling. He knew it would be tough to score points with Juliet's parents, but he didn't throw in the towel quite yet. He danced with her at the Capulet's ball, and their relationship was off and running. When Juliet's cousin, Tybalt, saw them together, he blew the whistle on Romeo. Juliet's father said that he would call the shots because it was his party, and Romeo was allowed to stay.

Romeo and Juliet <u>dove right into</u> a relationship and got married. It was <u>smooth sailing</u> for them until Tybalt <u>threw Romeo a curve</u> by killing Romeo's friend Mercutio. Romeo had to <u>level the</u> <u>playing field</u> and get back at Tybalt, so he <u>played hard ball</u> and killed him. Romeo was <u>down for the</u> <u>count</u> when the Prince banished him. No one was <u>in his corner</u> except his love, Juliet. Defeated, he <u>rolled with the punches</u> and moved to Mantua.

His friend, Balthasar, wanted to touch base with him, but ended up throwing him a curve.

Balthasar mistakenly thought Juliet was dead. Romeo couldn't believe this was happening at this stage of the game; he was supposed to go get Juliet, and they were going to run away together. Romeo really dropped the ball after that. He lay down next to Juliet and took his own life. When Juliet awoke and saw her husband dead, she thought, "That's the way the ball bounces," and stabbed herself. The parents of the young lovers were shocked by what had happened. The announcement of their children's deaths had come out of left field. They decided to tackle the problem of their long feud and built statues in memory of their lost children.





Here's an example for Food Lovers "You're A Sage Rosemary"





"YOU'RE A SAGE, ROSEMARY"

Bonnie von Hoff Johnson and Dale D. Johnson (from Proteus Magazine)

Eventually I heard through the grapevine that I was playing second banana. Frank had found a floosie-a tart. I decided to stalk Frank on his next outing to see for myself. This isn't sour grapes talking, but when I saw them together, they looked crummy. A string bean and a carrot-top shrimp. Comparing Frank's new sweetie pie and me was like comparing apples and oranges. I was afraid I'd toss my cookies, but I swallowed hard and drove home.

When Frank arrived, I didn't mince words. I told him to spill the beans about his little cupcake. "Don't try to sugar-coat the facts, Frank," I warned. "You were caught with your hand in the cookie jar." Frank turned beet red but remained as cool as a cucumber. "Don't clam up now," I yelled, "and don't fudge. The truth, Frank." He suggested that I simmer down, and then Frank told me the whole enchilada. He said he had wanted to sow some wild oats for the past <u>year</u> and he did. First, there was Olive. Then came Ginger. After egging him on, Frank finally told me about "saucy like Pickles."



Learn!

SOR

SCIENCE OF READING



Interactive View of Reading -2021

This is a reader model.

Reading is also impacted by text,
task, and sociocultural context.

Effect Size: 0.46

ACTIVE SELF REGULATION

Motivation and engagement

Executive function skills

Strategy use

(word recognition strategies, comprehension strategies, vocabulary strategies, etc.)

WORD RECOGNITION

Effect Size: 0.44

Phonological awareness (syllables, phonemes, etc.)
Alphabetic principle
Phonics knowledge
Decoding skills

Recognition of words at sight

BRIDGING PROCESSES

Effect Size: 0.70

Print concepts
Reading fluency
Vocabulary knowledge

Morphological awareness

Graphophonological-semantic cognitive flexibility (letter-sound-meaning flexibility)

READING

LANGUAGE COMPREHENSION

Cultural and other content knowledge Reading-specific background knowledge (genre, text features, etc.)

Verbal reasoning (inference, metaphor, etc.)

Language structure (syntax, semantics, etc.)

Theory of mind

Effect Size: 0.62

A Poem About Words

A word is dead When it is said, Some say.

I say it just
Begins to live
That day.

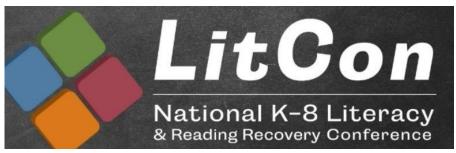
--Emily Dickinson





Veni, Vidi, Vici Vocabulary!

Conquering Vocabulary through Morphology Instruction ...And More







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