

RESEARCH-BASED VOCABULARY INSTRUCTION

Wordly Wise 3000® 4th Edition

A Focus on Print-Based Instruction

Overview

Isabel Beck, Margaret McKeown, and Linda Kucan, leaders in the field of vocabulary instruction and authors of *Bringing Words to Life: Robust Vocabulary Instruction*, reflected on the importance of vocabulary in people's lives in the second edition of their landmark text:

A rich vocabulary supports learning about the world, encountering new ideas, enjoying the beauty of language. A rich vocabulary enhances an interview, allows one to see the humor in wordplay, shores up what an individual wants to say, and, especially, wants to write. It is clear that a large and rich vocabulary is the hallmark of an educated individual. Indeed, a large vocabulary repertoire facilitates becoming an educated person to the extent that vocabulary knowledge is strongly related to reading proficiency in particular and school achievement in general. (2013, p. 1)

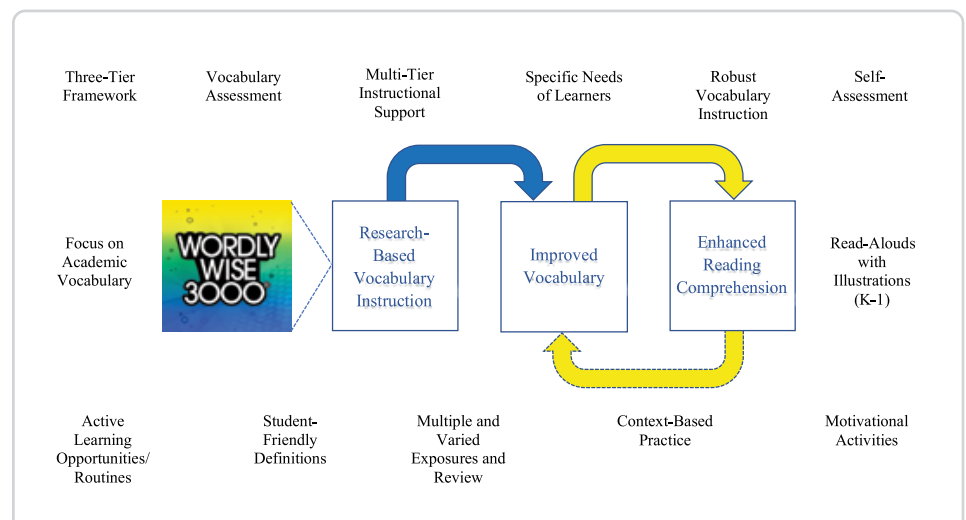
Unfortunately, a profound difference in vocabulary knowledge exists among students with diverse learning needs and socioeconomic backgrounds (e.g., Beck et al., 2013; Hart & Risley, 1995, 2003; Kuder, 2017; Nelson, Dole, Hosp, & Hosp, 2015; Spies & Dema, 2014). Given the importance of vocabulary development for all students and the gaps in vocabulary knowledge evidenced by many, it is now widely accepted that vocabulary development become an essential ingredient of academic and vocational planning efforts. With careful planning and

curricular support, teachers can provide the kinds of robust vocabulary instruction needed to improve the vocabulary and corresponding comprehension skills of all our students across the primary, intermediate, and high school grades.

Wordly Wise 3000® 4th edition is one such vocabulary program designed to meet the needs of students through print-based, sequential, and systematic vocabulary instruction. This K–12 program provides teachers with the effective research-based and grade-appropriate lessons for direct instruction in vocabulary necessary for balanced classroom and school-wide vocabulary development. Rather than plan and develop lessons with seamless supporting activities within and across grades, teachers can support and help differentiate student learning through published and field-tested materials, now in their fourth edition.

Figure 1 shows important features of the research-based program *Wordly Wise 3000* 4th edition. These features are discussed in this research brief.

Figure 1 Important features of *Wordly Wise 3000* 4th edition



Importance of Reading

The value of learning to read cannot be underestimated (Flaum-Horvath, Marchand-Martella, Martella, & Kauppi, 2017); in fact, it is the most important skill students can learn in school, serving as the cornerstone of all other academic subject areas (Marchand-Martella, Martella, Modderman, Petersen, & Pan, 2013). In April 2000, the National Reading Panel issued a report stemming from a Congressional mandate aimed to help educators identify key skills and methods needed to bolster reading achievement for students in Grades K–3 (Armbruster, Lehr, & Osborn, 2006; National Institute of Child Health and Human Development [NICHD], 2000). Five areas of reading instruction surfaced as critical in teaching these students: (1) phonemic awareness, (2) phonics, (3) fluency, (4) vocabulary, and (5) text comprehension. Two areas in particular—vocabulary and text comprehension—were considered key aspects of reading to gather information (“reading to learn”). All readers, whether they are beginners or advanced learners, “must understand that the ultimate goal of reading is comprehension” (Armbruster et al., 2006, p. 46). The National Reading Panel reported implications for reading instruction, including the need for direct instruction of vocabulary words, repetition and multiple exposures of these words, learning in rich contexts, and active learning opportunities, among others. Key features of robust vocabulary instruction are discussed further starting on page 6.

Relationship Between Vocabulary and Comprehension

A reciprocal relationship is evident between vocabulary skills and reading comprehension: Children who have learned more vocabulary words are more likely to demonstrate stronger comprehension skills and know the meaning of more words they read in the text (Ford-Connors & Paratore, 2015; van Steensel, Oostdam, van Gelderen, & van Schooten, 2016; Wright, 2013). Students with higher levels of reading comprehension and vocabulary development tend to read more and learn more words from text; they also perform better on standardized achievement tests as compared to their peers with lower levels of reading comprehension and vocabulary development (Stahl & Fairbanks, 1986 as cited by Ford-Connors & Paratore,

2015). Concurrent correlations between vocabulary and reading comprehension are high—usually over .80 (Biemiller & Boote, 2006). Educators can make a difference in the lives of their students by “drawing on the strong correlation (the ability to predict performance of one measure based on another) between vocabulary and reading comprehension” (Palumbo, Kramer-Vida, & Hunt, 2015, p. 109).

Vocabulary development is a central thread across specified literacy areas in the latest rubric for K–5 reading and language arts instructional materials (Foorman, Smith, & Kosanovich, 2017). This rubric keeps reading for understanding at the forefront of literacy activities and includes ratings from 1 (criterion not met) to 5 (criterion completely met) for building skills in the areas of foundational reading, reading comprehension, writing development, speaking and listening, and language development.

Focus on Academic Vocabulary

Vocabulary development is deepened by a focus on academic vocabulary. Academic vocabulary instruction includes teaching words that occur frequently in texts but infrequently in oral conversations (Lesaux, Kieffer, Kelley, & Harris, 2014). Word choice is critical when it comes to enhancing vocabulary development using academic vocabulary. Criteria for identifying these words typically include their importance and utility, ability to offer conceptual understanding, and instructional potential (see Beck et al., 2013 for details on how to choose words to teach). Not all words are equally important to teach, however (Beck, McKeown, & Kucan, 2008). Guidance in choosing words based on research recommendations or guidelines may be helpful for educators when it comes to systematic academic vocabulary development across grades.

Wordly Wise 3000 4th edition includes a focus on high-utility and academic vocabulary, comprising instruction on 3,000 words (hence the program’s title) across Books 2–12, with additional words taught in Books K and 1. A majority of these words overlap with words that appear frequently in school-based text sources. For example, *Wordly Wise 3000* draws attention to words from Averil Coxhead’s well-respected Academic Word List (AWL) (see www.uefap.com/vocab/select/awl.htm). The AWL was cited as

an important word list to utilize by Biemiller (2012). The underlined AWL words in *Wordly Wise 3000* allow teachers who wish to spend more instructional time on these words to easily do so.

For young students who enter school with on-level or below-level vocabularies, *Wordly Wise 3000*® Books K and 1 ensure exposure to a core of high-utility vocabulary words used frequently across domains. For children with larger vocabularies, more challenging words are taught through a supplementary Extend and Challenge activity. In all cases, children learn words that are both developmentally appropriate and important for content-area reading comprehension in later grades.

Additionally, words for Books K and 1 were chosen in consultation with two major references: *The Living Word Vocabulary* (Dale & O'Rourke, 1981) and *The Reading Teacher's Book of Lists* (Fry, Kress, & Fountoukidis, 2000). *The Living Word Vocabulary* provides information about the grade levels at which a given word is known by most children. Following current research guidelines for vocabulary instruction of kindergarteners and first-grade students (Biemiller & Boote, 2006), words were selected that are known by most children in fourth grade and that correspond to the conceptual level of development of children in kindergarten and first grade. *The Reading Teacher's Book of Lists* provides words that appear in upper elementary science and social studies texts as well as frequently used descriptive adjectives and adverbs. Most words in Books K and 1 appear on one of these lists and meet *The Living Word Vocabulary* criteria.

Many of the words chosen are more sophisticated words for known concepts, such as *release* (let go), *leap* (jump), and *delighted* (happy). Other words, such as *nation*, *decay*, and *reflect*, name important new concepts. In addition, Books K and 1 introduce children to the notion of multiple meanings. Thus, multiple meanings of familiar words such as *row*, *ring*, *patch*, *trunk*, and *store* are systematically taught.

Words for Books 2–12 were chosen based on the early work of Harris and Jacobson (1982) related to word frequency in school readers and the grade level of a word's first appearance. For example, consider the words *enormous* and *gigantic*: *Enormous* occurred two hundred times and first appeared in most third- or fourth-grade readers. *Gigantic* occurred fifty times, and in the majority of readers did not appear until fifth or sixth grade. *Enormous* is in Book 2 of *Wordly Wise 3000*, and *gigantic* appears several books later in

Book 5. Other factors that inform word choice include usefulness (thereby favoring *arduous* while eliminating *armadillo*), number of meanings (including *mammoth*, as both noun and adjective, while rejecting *mermaid*), and correlations with the SAT and various high-stakes assessments.

Three-Tier Framework

To select the most productive words to teach, Beck et al. (2013) devised a three-tier framework. Tier One words are those that occur most frequently in everyday life—they are considered easier words because students are likely to hear and learn them in daily conversation. Words such as *cat*, *run*, *strong*, *big*, *party*, etc., are considered Tier One words. Tier Two words are high-utility words that are often found in written text but are used infrequently in daily conversation; given their infrequent use in conversation, they are less likely to be learned as compared to Tier One words. Words such as *obtrusive*, *vanquish*, *exorbitant*, *enormous*, *depreciate*, *raucous*, etc., are considered Tier Two words (these words appear in *Wordly Wise 3000*). Tier Two words are those targeted for instruction given their powerful impact on verbal functioning (see Beck et al., 2013) and comprise words lists previously mentioned (e.g., AWL). Finally, Tier Three words are low-frequency words that are often limited to specific domains. These words are best taught within specific subjects (e.g., science, social studies, and math) when the need arises for knowledge of these words. Words such as *filibuster*, *epidermis*, *isotope*, *photosynthesis*, etc., are considered Tier Three words.

The majority of the words used in *Wordly Wise 3000* are Tier Two general academic words. The program focuses on high-utility words that have a powerful impact on verbal functioning, appear frequently in text but infrequently in daily conversation, and are cited as important to learn based on their appearance in well-respected word lists (e.g., AWL). Thus, this vocabulary program follows best practices when it comes to differential attention to word selection in choosing important words for instruction.

Vocabulary Assessment

Vocabulary knowledge is essential for success on today’s high-stakes tests. Even if teachers do not emphasize word study for its own sake, they are held accountable for their students’ performance on state and national assessments.

In 2009, the National Assessment of Educational Progress (NAEP) integrated the vocabulary measure of understanding word meaning with a measure of passage comprehension (National Center for Education Statistics [NCES], 2012). Students were asked to demonstrate word knowledge based on word meaning in context. A sample NAEP question follows:

On page 2, the author says that her mother ‘thought she could **replicate**’ the great-grandfather’s mint syrup. This means the author’s mother thought she could

- (a) buy back the mint syrup recipe
- (b) make mint syrup that tasted like his
- (c) remember how the mint syrup tasted
- (d) make a better mint syrup than his

(NCES, 2012, p. 15)

To answer this question correctly as (b), students had to use their understanding of the word to interpret a part of the passage. The Partnership for Assessment of Readiness for College and Careers (PARCC) (see

<https://parcc.pearson.com/practice-tests/english/for-sample-test-questions>) and Smarter Balanced Assessments in English Language Arts (see <http://sampleitems.smarterbalanced.org>) now assess vocabulary knowledge in similar ways as the NCES (2012).

Interestingly, average scores in NAEP vocabulary at Grades 4, 8, and 12 in 2009 and 2011 showed that those students who scored the highest in reading comprehension also had the highest vocabulary scores (NCES, 2012). Those who exhibited the lowest average vocabulary scores performed in the lowest percentile in reading comprehension. According to NCES (2012), “understanding word meaning has always been essential to reading comprehension. Whether reading the printed page or a computer screen, a strong sense of word meaning provides a basis for greater comprehension in an increasingly fast-paced world” (p. 1).

The standards movement across the United States (including the Common Core State Standards [CCSS] and newly revised state standards in those states not utilizing the CCSS) has raised the bar for all students, making vocabulary instruction aligned to today’s standards and corresponding assessments absolutely essential. Expectations are now higher, assessments are more contextually based, and the curriculum is becoming more challenging to promote college and career readiness (see Shanahan, Fisher, & Frey, 2012 for their discussion on the “challenge of challenging text”). The need is greater than ever for an emphasis

Program Example 1: Vocabulary words are used in a variety of contexts throughout a lesson to mirror the challenges of high-stakes and standardized assessments.

9C

Applying Meanings

Circle the letter or letters next to each correct answer. There may be more than one correct answer.

1. Which of the following would **conserve** water?
(a) watering the lawn less often (c) turning the faucet off while brushing one's teeth
(b) taking fewer showers (d) fixing a leaky faucet

Human beings have often demonstrated how **resourceful** they can be when there are problems to be solved. When we run out of something we need, we can usually find something else to take its place; however, there is no **substitute** for water. We have to learn to **conserve** this precious liquid as though our lives depend on it—because they do. An **extravagant** person is sometimes said to “spend money like water.” Now, however, the time has come

► Answer each of the following questions with a sentence. If a question does not contain a vocabulary word from the lesson's word list, use one in your answer. Use each word only once.

1. What are three things that can **contaminate** water?

2. What is the meaning of **aggravate** as it is used in the passage?

3. What three ways can you think of to practice water **conservation**?

on robust vocabulary instruction beginning as early as kindergarten for all students, particularly those who struggle to pass the high-stakes tests that are aligned with more challenging standards to better prepare students for college and careers.

Wordly Wise 3000 4th edition was designed to include a large percentage of words drawn from a variety of standardized tests to help students succeed. Further, lessons in Books 2–12 include reading passages with subsequent comprehension and context-specific questions based on the passage. Thus, the program includes contextually based vocabulary activities much like those found in high-stakes and standardized assessments.

Need for Vocabulary Instruction

The well-documented research of Hart and Risley (1995, 2003) points to a significant vocabulary gap among various groups of children by the age of three. This gap reflects how often and with what vocabulary parents talk to their children: (a) children from professional families had a working vocabulary of more than 1,000 words; (b) children from working-class families had a working vocabulary of just under 800 words; and (c) children from families who were on welfare had a working vocabulary of fewer than 600 words. According to Nelson et al. (2015), students from lower-income backgrounds acquire far fewer than the 3,000 words (on average) learned per year. In fact, these authors note, “this vocabulary gap is one of the most persistent and vexing issues in reading instruction today” (p. 145). Explanations for this gap relate to family background along with a lack of instruction and extended reading opportunities in school. A focus should be placed on closing this gap to ensure all students are college and career ready; all evidence points to the necessity of focused instruction in vocabulary development.

Researchers debate over the number of words that should be taught per week. For example, Beck et al. (2013) and Diamond and Gutlohn (2006) recommend targeting 8 to 10 words per week for instruction. Biemiller (2012) notes 20 to 25 words should be included in instruction, noting also that students will actually learn only about 10 of those words.

Wordly Wise 3000 targets 3,000 words across Books 2–12, with an additional 270 words taught in Books K and 1. The progression through the levels of the

Wordly Wise 3000 series is dependent upon the grade level of the student. Book K features 120 words taught over 12 lessons (10 words taught per 2-week lesson, with 5 words introduced each week), and Books 1–3 each feature 150 words taught over 15 lessons. Book 1 follows a 2-week lesson plan, while Books 2 and 3 suggest that all 10 words per lesson be taught within a week. Books 4–12 each teach a total of 300 words over 15 lessons. Stahl (1999) found that 300 words was a realistically achievable amount to be learned in the middle grades. Thus, *Wordly Wise 3000* incorporates evidence-based practices by introducing 5 words per week in kindergarten and first grade, 10 words per week in second and third grades, and 15 words per week in fourth grade and above. Given the importance of vocabulary development and the difficulties many students exhibit in this area, “there is good reason to teach vocabulary more aggressively” (Pearson, Hiebert, & Kamil, 2012, p. 231), particularly as students progress through school.

Sample Word Lists

BOOK K	LESSON
able	4
bashful	8
divide	13
giggle	6
globe	1
involved	15
property	5
ripe	7
stormy	5
view	12

BOOK 1	LESSON
action	8
compass	2
eager	11
grow	15
length	13
property	5
reverse	6
sprinkle	4
tearful	12
uneven	4

BOOK 2	LESSON
absorb	5
boulder	3
calf	1
enormous	2
flame	4
instrument	15
motor	3
settle	13
tread	7
zero	1

BOOK 3	LESSON
ambition	3
cocoon	4
enable	6
gradual	9
league	5
mystify	7
responsible	14
steer	2
tentacle	1
vigorous	11

BOOK 4	LESSON
active	4
blossom	16
dreary	13
essential	19
glimpse	5
observe	3
permit	2
quiver	20
represent	1
utter	1

BOOK 5	LESSON
accurate	4
boisterous	14
cumbersome	20
harbor	6
investigate	15
mimic	9
obstacle	1
purchase	2
tempest	12
vertical	5

BOOK 6	LESSON
abbreviate	11
beneficial	8
diminish	9
exhilaration	18
hectic	3
integrate	2
monotonous	7
ravenous	7
scour	17
tranquil	5

BOOK 7	LESSON
acknowledge	1
benefactor	3
complement	15
grueling	19
irate	8
maintain	4
recede	9
solitude	2
ultimate	11
whim	7

BOOK 8	LESSON
ascertain	15
capacious	8
decipher	14
feasible	19
imperative	3
languish	10
memoir	18
pervade	1
renown	11
tremulous	4

BOOK 9	LESSON
accentuate	15
beneficiary	10
concede	6
empathize	12
gregarious	14
memorabilia	20
obtrusive	14
recipient	17
sedentary	4
ubiquitous	2

BOOK 10	LESSON
accolade	4
bemuse	16
culpable	12
differentiate	10
largesse	7
omnivorous	7
pandemonium	9
rambunctious	1
somnolent	13
vanguard	8

BOOK 11	LESSON
abeyance	14
blasphemy	8
commensurate	14
extrapolate	20
imperturbable	1
multifarious	11
perspicacious	6
repugnant	15
subversive	16
vicissitudes	11

BOOK 12	LESSON
adumbrate	2
beneficent	3
concatenation	16
dichotomy	7
fulminate	11
lassitude	18
nugatory	11
ostensible	4
propinquity	20
replete	8

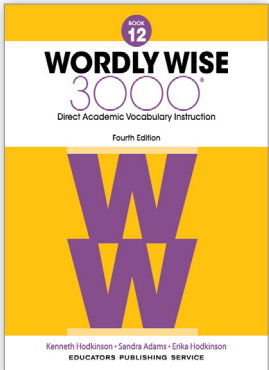
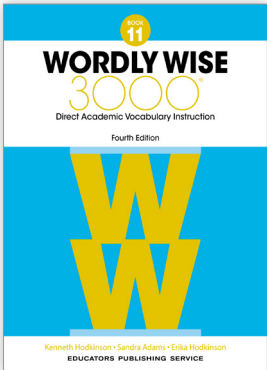
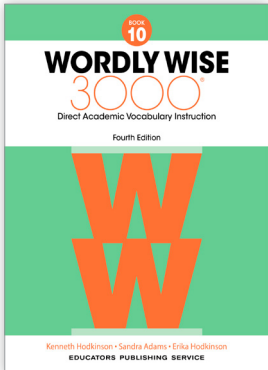
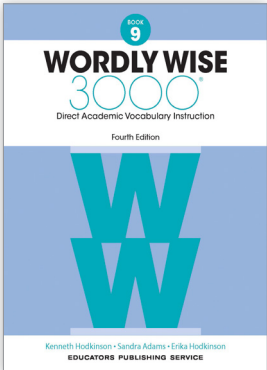
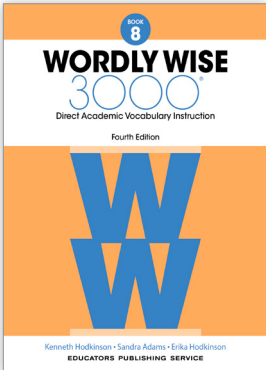
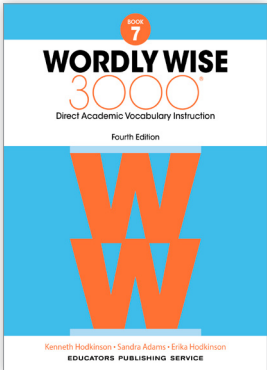
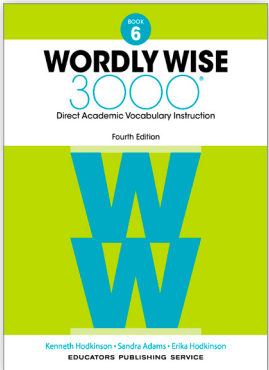
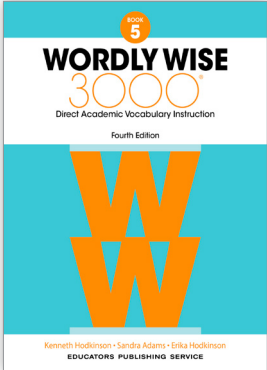
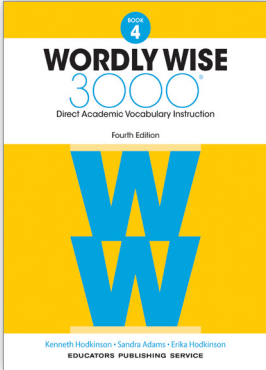
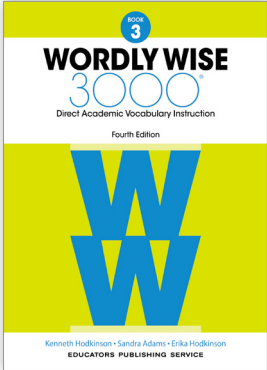
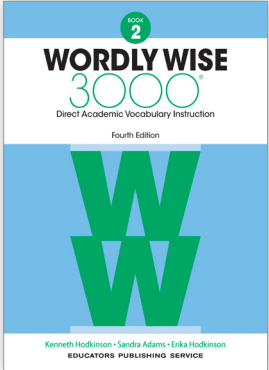
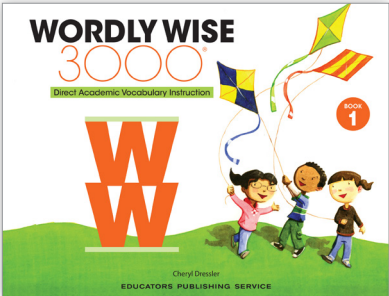
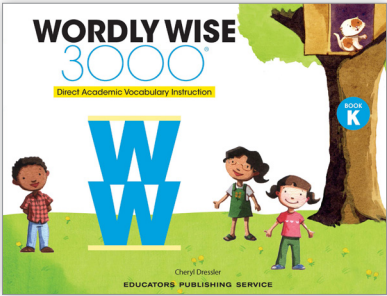
Multi-Tier Instructional Support

Vocabulary knowledge plays a central role in reading achievement across the grades. Thus, efforts should be made to target vocabulary instruction as early as possible, starting in kindergarten and continuing instruction through high school. Multi-tier instructional support—where the focus is placed on Tier 1, general-education-based instruction to prevent difficulties in closing the vocabulary gap—is warranted (Loftus & Coyne, 2013). “A multi-tiered system of support (MTSS) provides a promising framework for meeting the needs of the full continuum of students, particularly those students who are at risk for experiencing learning difficulties” (Cuticelli, Coyne, Ware, Oldham, & Loftus Rattan, 2015, p. 150). In a multi-tier instructional approach, teachers provide consistent, whole-class, Tier 1 instruction using quality research-based tools and methods (Cuticelli et al., 2015). Teachers benefit from published instructional materials that offer a seamless implementation within and across the grades. Students who struggle, including students who are at risk for school failure (e.g., students with disabilities and those from culturally and linguistically diverse backgrounds), benefit from structured

instruction at the Tier 1 level. If they need structured vocabulary instruction beyond what is offered at the Tier 1 level, small group instruction can be delivered at the Tier 2 level (Loftus & Coyne, 2013; Vadasy, Nelson, & Sanders, 2011). Typically, an additional 30 minutes of daily focused instruction is provided at each additional level of instruction. More strategic and intensive instruction is given in smaller groups (or one-on-one) at Tiers 2 and 3. Published instructional materials that are consistent, sequenced, and that offer robust instruction are needed for successful MTSS implementations.

Wordly Wise 3000 provides print-based, sequential, and systematic vocabulary instruction for students in Grades K–12. In Tier 1, general education teachers utilize research-based lessons offering a myriad of student activities that promote consistent direct instruction to build higher levels of vocabulary. These same lessons can offer students who need more focused instructional support the opportunity to build important vocabulary skills at Tier 2. In this way, *Wordly Wise 3000* can be an important part of providing multi-tier instructional support.

Program Example 3: *Wordly Wise 3000* 4th edition offers sequential and systematic vocabulary instruction for students in Grades K–12.



Specific Needs of Learners

Primary- and intermediate-level students identified as having learning disabilities (LD) along with those from culturally and linguistically diverse backgrounds (English learners [ELs]) are often characterized as having language needs that warrant vocabulary development (Beck et al., 2013; Kame'enui & Baumann, 2012; Spies & Dema, 2014). Manyak (2012) calls for more powerful vocabulary instruction for ELs as early as possible in their academic careers. This instruction can be delivered in a multi-tier instructional approach. Additionally, Kuder (2017) notes that vocabulary difficulties are often seen in students in later grades; frequently, secondary students with LD and other disabilities are less prepared for college and careers given these challenges. However, it is key to remember that good instruction and curriculum in general does hold true for ELs (see Goldenberg, 2008 for details) and students with learning disabilities (Archer & Hughes, 2011). *Good instruction is good instruction.* ELs and those with LD benefit from instruction (just as at-risk and on-level students do) that is explicit and systematic in nature; offers opportunities to


practice, apply, and transfer learning over time; includes frequent assessment to gauge progress; is differentiated when needed; and has opportunities for students to interact with their classmates in motivating and meaningful ways.

One key feature of *Wordly Wise 3000* 4th edition that is helpful for ELs and students who are at risk for school failure is the use of a secondary reading passage, written at a lower grade level than the on-grade-level passage, which can be administered by teachers when context-based vocabulary practice is required within the program. The secondary passage is written so that all students, regardless of which passage they read, are expected to complete the same comprehension questions. The secondary passage is written with lower text complexity to ensure that students who need reading support can still apply their knowledge of vocabulary in context. Teachers also have the option to give students in need of support fill-in-the-blank lesson review exercises, which require less writing than the open-ended comprehension questions. Both the secondary passage and the lesson review exercises are located in the *Teacher's Resource Book* for each level.

Program Example 4: Primary and secondary passages support classroom differentiation. Students answer the same comprehension questions whether they read the on-level or below-level passage.

10E Vocabulary in Context

Read the passage.



Tokoyo and the Sea Monster

Folktales are legends of past events that are passed on from adults to children without ever being written down. Every country has its folktales, and this one from Japan comes to mind. It tells the adventures of a young pearl diver named Tokoyo who lived in Japan.

The people of Tokoyo's village earned their livelihood by diving for pearls. They searched for the one oyster in a thousand that contained a precious pearl. Tokoyo was the youngest of the divers. She could stay underwater for a long time, and she was very brave.


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11E Lesson 10

Primary passage Student Book

10E Vocabulary in Context

Read the passage.



Tokoyo and the Sea Monster

Folktales are stories passed from adults to children. They are not written down. Every country has its folktales. This one comes from Japan. It tells the story of a young pearl diver named Tokoyo.

People in Tokoyo's village made their livelihood by diving for pearls. They searched for one oyster in a thousand with a precious pearl. Tokoyo was the youngest, but she could stay underwater longer and collect more oysters than anyone. The sea was a second home to her. She swam easily through the darkness. She was very brave.

Folktales are stories passed from adults to children. They are not written down. Every country has its folktales. This one comes from Japan. It tells the story of a young pearl diver named Tokoyo.

11E Lesson 10

Secondary passage Teacher's Resource Book

► Answer each of the following questions with a sentence. If a question does not contain a vocabulary word from the lesson's word list, use one in your answer. Use each word only once.

1. Explain why the story of Tokoyo and the evil sea god has a happy ending.
2. Was Tokoyo an orphan? Explain your answer.
3. What does "misfortune struck" mean as it is used in the passage?
4. Why did the emperor need doctors?

Robust Vocabulary Instruction

“We do know that if attention is given to vocabulary development it *can* make a difference” (Beck et al., 2008, p. 3). We also know that the answer to the question, “How should vocabulary differ as you go up the grade levels?” is ‘not that much’—that is, all the basic principles for effective, engaging instruction hold from kindergarten to high school” (Beck et al., 2008, p. 39). Unfortunately, as Gallagher and Anderson (2016) noted, there appears to be a lack of robust vocabulary instruction in United States classrooms. Additionally, Wanzek (2014) noted that 8% of core classroom reading instruction was devoted to teaching vocabulary and that minimal amounts of direct vocabulary instruction were evident in supplemental, intervention-based programs. In fact, vocabulary instruction in supplemental reading interventions was typically incidental in nature and consisted of “mere seconds of instruction” (p. 160). Thus, it appears critical that programs include robust vocabulary instruction in Grades K–12. But what makes vocabulary instruction *robust*?

“The operative principle for vocabulary instruction is that it be robust: vigorous, strong, and powerful in effect. A robust approach to vocabulary involves directly explaining the meanings of words along with thought-provoking, playful, and interactive follow-up” (Beck et al., 2013, p. 3). Robust vocabulary instruction should include (a) self-assessment, (b) read-alouds with illustrations, (c) active learning opportunities or routines, (d) student-friendly definitions, (e) multiple and varied exposures and review, (f) context-based practice, and (g) motivational activities.

Self-Assessment

The progression of students’ knowledge of word meanings has been described in four levels: “(1) have never seen or heard the word before, (2) have seen or heard the word before, (3) vaguely know the meaning of the word; can associate it with a concept or context, and (4) know the word well; can explain it and use it” (Diamond & Gutlohn, 2006, p. 5). Self-assessment is an essential component of instruction and shows students that “word knowledge is indeed multifaceted” (Beck et al., 2013, p. 18). Having students think about what they know about a word before instruction occurs is an important part of a robust approach to vocabulary instruction. Students become an integral part of the assessment process when self-assessment is used.

In *Wordly Wise 3000* 4th edition, students engage with self-assessment in an activity that asks them to rate their level of word knowledge. This allows students to judge their own knowledge of word meanings *before* instruction begins.

Program Example 5: The *Wordly Wise 3000* 4th edition Rate Your Word Knowledge activity encourages self-assessment of word knowledge, part of a robust approach to vocabulary instruction.

Name _____

Date _____

Rate Your Word Knowledge

Write the words from Lesson 12 in the spaces provided.

Fill in the circle to rate your knowledge of each word.

1. adversity

☐ I've never seen this word before.

☐ I've seen this word before, but I don't know what it means.

☐ I think I know what this word means.

☒ I know what this word means and can use it in a sentence.

2. cardinal

☐ I've never seen this word before.

☐ I've seen this word before, but I don't know what it means.

☒ I think I know what this word means.

☐ I know what this word means and can use it in a sentence.

3. credible

☐ I've never seen this word before.

☐ I've seen this word before, but I don't know what it means.

☐ I think I know what this word means.

☒ I know what this word means and can use it in a sentence.

4. empathize

☐ I've never seen this word before.

☒ I've seen this word before, but I don't know what it means.

☐ I think I know what this word means.

☐ I know what this word means and can use it in a sentence.

5. _____

☐ I've never seen this word before.

☐ I've seen this word before, but I don't know what it means.

☐ I think I know what this word means.

☐ I know what this word means and can use it in a sentence.

6. _____

☐ I've never seen this word before.

☐ I've seen this word before, but I don't know what it means.

☐ I think I know what this word means.

☐ I know what this word means and can use it in a sentence.

7. _____

☐ I've never seen this word before.

☐ I've seen this word before, but I don't know what it means.

☐ I think I know what this word means.

☐ I know what this word means and can use it in a sentence.

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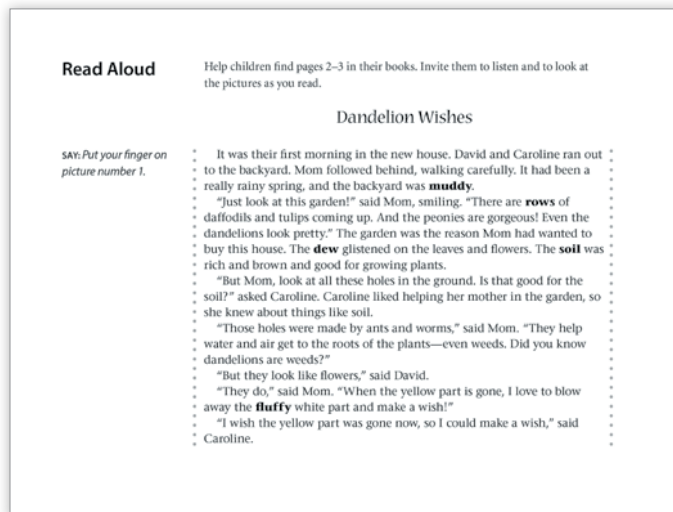
Wordly Wise 3000 • Resource Book 4 27

Read-Alouds with Illustrations

Robust vocabulary instruction for younger students typically centers on the use of storybook reading and teacher-led discussion of word meaning along with age- or grade-appropriate activities that help solidify word meaning (see “text talk” as described by Beck et al., 2013 along with recommendations by Biemiller & Boote, 2006 and Coyne, Capozzoli-Oldham, & Simmons, 2012 on how to conduct effective storybook reading activities to build vocabulary). “Read-alouds are particularly salient for vocabulary instruction because at this grade level, children are unlikely to encounter new meaning vocabulary in the readers they read independently” (Wright, 2013, p. 361). According to the National Reading Panel Report (NICHD, 2000), vocabulary can be learned incidentally in the context of listening to others read stories. Multiple readings are encouraged with differing purposes for student engagement (Gillam, Olszewski, Fargo, & Gillam, 2014). Notably, kindergarteners exhibited higher rates of word learning when they were exposed to targeted vocabulary words four times as compared to two times during story reading (see Robbins & Ehri, 1994 study cited in Loftus-Rattan, Mitchell, & Coyne, 2016). Biemiller and Boote (2006) recommend multiple readings of a story coupled with revisiting illustrations and aspects of the story that showcase key vocabulary words along with teacher explanations as the most effective strategy to increase the vocabulary skills of students in the early primary grades.

In *Wordly Wise 3000* Books K and I, lessons begin with an oral and visual presentation of the words, followed by a teacher read-aloud. The read-alouds describe the adventures of three children as they enter kindergarten and progress through first grade together. Each story in Books K and I is read aloud on three different occasions. Each reading engages students in a different manner. During the first reading, students point to illustrations in their student books that correspond to the story being read; during subsequent readings, they listen for specific words and put a finger on their nose to indicate when they hear them.

Program Example 6: Each lesson in *Wordly Wise 3000* 4th edition Book K begins with an oral and visual presentation of the words. Students view illustrations while teachers read a story aloud.



Active Learning Opportunities or Routines

Active learning is a key element of vocabulary instruction. Active learning involves student participation in the learning process that requires them to make associations and engage in opportunities to practice, apply, and discuss word knowledge (Taylor, Mraz, Nichols, Rickelman, & Wood, 2009). Students are not passive recipients of learning; instead, they engage in thoughtful and planned activities that align with the goals of a lesson. These planned activities can be even more effective when taught using specified routines (Manyak et al., 2014); routines increase instructional comfort in that students can predict how instruction will occur from one lesson to the next.

When students are naïve learners, they should receive more direct instruction (also known as explicit instruction; see Archer & Hughes, 2011 for details on this important instructional delivery model) from the teacher; scripted instructional routines prove helpful in this regard. Direct vocabulary instruction includes intentional teacher participation, usually with teachers providing modeling, explanations, and think-alouds as they work with students (Wanzek, 2014). Teachers may read stories, lead discussion about key vocabulary words, and actively guide students through activities with prompting and questioning. Scaffolded support is a key element of direct instruction (Rosenshine, 2009). Teaching explicitly has been shown to be effective across a wide range of learners (Nelson et al., 2015) including on-level children and those who are at risk for school failure (e.g., students with disabilities, ELs, and students from low-socioeconomic areas).

Marzano (2009) recommends six best practices when direct or explicit vocabulary instruction is used: (1) providing descriptions, explanations, and examples of words and using them in context; (2) asking students to restate descriptions, explanations, and examples in their own words; (3) asking students to create pictures or symbolic representations of words; (4) recording words in vocabulary logs or portfolios; (5) engaging students in discussing vocabulary words with one another; and (6) involving students periodically in games that enable them to play with words.

Wordly Wise 3000 Books K and 1 include direct vocabulary instruction wherein teachers read stories and prompt discussion and guide students through instructional activities. Instructional routines are evident across Books K–12; with these routines, students gain confidence based on the predictability of how instruction will be provided from one lesson to the next and from one level to the next. *Wordly Wise 3000* follows the six best practices of direct and explicit vocabulary instruction advocated by Marzano (2009).

14

[illegible][illegible][illegible]

Program Example 8: Routines and predictability build student confidence. *Wordly Wise 3000* 4th edition Books 2–12 offer highly structured sequences of activities, repeated in every lesson. (Book 5, Lesson 2)

2A

Using Words in Context

Read the following sentences. If the word in bold is used correctly, write C on the line. If the word is used incorrectly, write I on the line.

1. (a) The **aroma** can be paddled by one person. _____

(b) The **aroma** of buttered popcorn is the best part of going to the movie theater. _____

(c) When we entered the restaurant, the **aroma** of freshly baked bread greeted us. _____

(d) The band played an **aroma** that I'd heard many times before. _____

2D

Completing Sentences

Complete the sentences to demonstrate your knowledge of the words in bold.

1. An example of a **brittle** food is _____

2. If you **combine** black and white, you make the color _____

2B

Making Connections

Circle the letter next to each correct answer. There may be more than one correct answer.

1. Which word or words go with *thirsty*?

(a) aroma (b) cluster (c) beverage (d) brittle

2E

Vocabulary in Context

Read the passage.

When Money Grows on Trees

Do you wish that chocolate grew on trees? Well, it does. The trees are cocoa trees that grow in **tropical** countries that are located both north and south of the equator. Of course, you wouldn't recognize the little pale-colored and bitter-tasting beans of the cocoa tree as chocolate. But those beans are the raw material and the main ingredient from which delicious chocolate bars are made.



2C

Determining Meanings

Circle the letter next to each answer choice that correctly completes the sentence. There may be more than one correct answer.

1. The **beverage**

(a) was made from milk and strawberries.

(b) of sand got all over the floor.

(c) spun out of control when it hit a rock.

(d) came with lunch in the cafeteria.

2

Vocabulary Extension



extract

verb To remove; to take out.

noun Something that has been removed or taken out.

Word Family

extracted (verb)

extraction (noun)

Context Clues

These sentences give clues to the meaning of **extracted**.

The dentist **extracted** Stephanie's painful tooth.

Marcus **extracted** the coins from his pocket to pay for the orange juice.

Discussion & Writing Prompt

If your baseball rolled under a thorny bush, how would you **extract** it?

2 min.

1. Turn and talk to your partner or group.

Use this space to take notes or draw your ideas.

3 min.

2. Write 2–4 sentences.

Be ready to share what you have written.

Program Example 9: Routine and predictability build student confidence. *Wordly Wise 3000* 4th edition Books 2–12 offer highly structured sequences of activities, repeated in every lesson. (Book 5, Lesson 20)

20A

Using Words in Context

Read the following sentences. If the word in bold is used correctly, write C on the line. If the word is used incorrectly, write I on the line.

1.

(a) Being poor was never really a **burden** for my family. _____

(b) The **burden** was heavy, but no one complained. _____

(c) Candace doesn't like to **burden** her friends with all her troubles. _____

(d) A bowl of **burden** is very refreshing on a hot day. _____

20D

Completing Sentences

Complete the sentences to demonstrate your knowledge of the words in bold.

1.

If you **ridicule** something, that means you _____

20B

Making Connections

Circle the letter next to each correct answer. There may be more than one correct answer.

1.

Which word or words go with *feeling bad*?

(a) humiliated (b) distress (c) precious (d) forlorn


20E

Vocabulary in Context

Read the passage.

A Tale of Two Donkeys

Aesop was an enslaved person who lived in ancient Greece. Although little is known about his life, readers have enjoyed the fables he told for more than twenty-five centuries. Not only are his stories entertaining, but they also teach us something about human behavior, for a fable is a story with a lesson. The characters in them can be animals who talk and behave like humans, or they can be ordinary people, like those in the story that follows.



20C

Determining Meanings

Circle the letter next to each answer choice that correctly completes the sentence. There may be more than one correct answer.

1.

The **burdensome**

(a) salad was eaten as soon as it was ready.


(b) table was too heavy for one person.

(c) road is always clear and easy for my mom to drive on.

(d) lie was all I could think about.

20

Vocabulary Extension



encounter

verb 1. To meet, often without expecting to.

2. To experience a problem.

noun An unexpected meeting.

Context Clues

These sentences give clues to the meaning of **encounter**.

*The dogs growled when they **encountered** each other at the park.*

*Camila's work was interrupted when she **encountered** a computer error.*

*Nihar was excited to tell us about an accidental **encounter** with his favorite soccer player.*

Discussion & Writing Prompt

Write about the different people you might **encounter** at a school sports game.

2 min.

3 min.

1. Turn and talk to your partner or group.

2. Write 2–4 sentences.

Use this space to take notes or draw your ideas.

Be ready to share what you have written.

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Program Example 10: Routine and predictability build student confidence. *Wordly Wise 3000* 4th edition Books 2–12 offer highly structured sequences of activities, repeated in every lesson and across every grade level. (Book 11, Lesson 10)

10A

Determining Precise Meaning

Choose the most accurate paraphrase for each sentence.

1. **Attrition** took its toll on the army.
(a) **Poor morale** took its toll on the army.
(b) **Dwindling numbers** took its toll on the army.

10D

Understanding Contextual Meanings

Read the following sentences. If the word in bold is used correctly, write C on the line. If the word is used incorrectly, write a new sentence using the word correctly.

1. The **proviso** required all members to contribute equally.

10B

Understanding Word Relationships

Circle the letter next to each correct answer. There may be more than one correct answer.

1. Which word or words are related to highest?
(a) zenith
(b) apex
(c) vertex
(d) debacle

10E

Vocabulary in Context

Read the passage.

The Wall

The Vietnam War had devastating repercussions for millions of Americans and others involved in the conflict. It began innocuously enough in 1956 when American military advisers were sent to South Vietnam to aid its government against the communist opposition. This opposition was supported by North Vietnam, which was already governed by a communist regime. By the late 1960s, the United States was deeply involved in what had become a war of attrition, measured by daily "body counts" as each side hoped to exhaust the other into giving up. Fifty-eight thousand Americans died in the war and almost a third of a million were wounded. As many as two million Vietnamese lives may have been lost, including those of many thousands of civilians. The country was devastated by intensive bombing and by highly toxic chemical defoliation intended to eliminate the cover of trees and other vegetation. The war is estimated to have cost U.S. taxpayers about two hundred billion dollars. It ended in 1975 with a North Vietnamese victory.

10C

Word Study: Synonyms and Antonyms


Each group of words contains two words that are either synonyms or antonyms. Circle them. Then circle S if they are synonyms or A if they are antonyms.

1. nascent incipient eclectic famous S A
2. abstruse munificent inveterate stingy S A

10

Vocabulary Extension

expunge
verb To eliminate or erase completely.
The investigation found that the man had **expunged** his computer's hard drive.



Synonyms and Antonyms
Synonyms: erase, remove, delete
Antonyms: add, insert

Discussion & Writing Prompt
Why might someone want to **expunge** something from his or her school record? Explain.

2 min.

3 min.

1. Turn and talk to your partner or group.

2. Write 3–5 sentences.

Use this space to take notes or draw your ideas.

Be ready to share what you have written.

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17

Student-Friendly Definitions

When vocabulary words are defined, everyday language that is clear and accessible to students should be used (Diamond & Gutlohn, 2006). The so-called “student-friendly” definitions should (a) capture the essence of the word and how it is typically used and (b) explain its meaning using everyday language (see Beck et al., 2008, 2013 for details). Providing context for a word by using it in a sentence helps students see how the word can be incorporated into text and provides context clues that help ensure understanding of word meaning.

Wordly Wise 3000 defines vocabulary words using student-friendly meanings as often as possible. These targeted words are also used in sentences to enhance meaning. For example, the vocabulary word *diligent* from Book 6, Lesson 5 is defined as “working with great care and effort” and is used in the following sentence: “**Diligent** students succeed in reaching their goals.” The accompanying contextual sentence supports the student-friendly definition of the word. In Book 9, Lesson 12, the vocabulary word *impair* is defined as “to damage, weaken, or lessen” and is accompanied by the following contextual sentence: “Fewer than six hours of sleep can **impair** a person’s ability to drive.”

Program Example 11: *Wordly Wise 3000* 4th edition uses student-friendly definitions and contextual sentences to introduce vocabulary.



adj. Working with great care and effort.

Diligent students succeed in reaching their goals.

Tell your partner about a family member or a friend who is a diligent worker.

impair
im pār'

v. To damage, weaken, or lessen.

Fewer than six hours of sleep can **impair** a person's ability to drive.

impairment *n.*

Her hearing **impairment** developed during an illness.

Multiple and Varied Exposures and Review

The National Reading Panel Report (NICHD, 2000) noted that repeated exposure to vocabulary words was a critical part of providing robust vocabulary instruction. Further, the largest gains were made in those studies that extended vocabulary instruction beyond a single class and included multiple exposures of words in varied contexts. As Wanzek (2014) noted, “it is clear that shallow, single-exposure vocabulary instruction may not be enough for students to enhance reading comprehension” (p. 142). Beck et al. (2007) found that kindergarten and first-grade students who received four times as many exposures to vocabulary words produced double the amount of learning (as cited in Beck et al., 2008). Experiencing many encounters with a word helps ensure students know its meaning when they come across the word in a new context. These encounters can be brief but should allow students to process word meanings and relationships (Beck et al., 2008). Multiple and varied exposures lead to deeper processing of word meaning (Loftus-Rattan et al., 2016).

Activities that can be used to increase the number of encounters with vocabulary words include (a) instructional cloze sentences (Palumbo et al., 2015); (b) multiple-choice, true/false, context interpretation, and example/nonexample questions (Beck et al., 2013); and (c) making choices, matching, creating examples, determining synonyms and antonyms, completing sentences, answering open-ended questions, and finding relationships (Beck et al., 2013). McGlynn and Kozlowski (2017) have said that Quizlet is a “fabulous online study tool” for students to increase exposure to and review of vocabulary words (p. 91). Dang (2015) noted the benefits of using a web-based, flashcard-practice program such as Quizlet to increase the size of one’s vocabulary, track student performance, provide a motivational and multimedia (gamelike) approach to learning, and allow students to study any time, so long as they have access to the Internet.

In *Wordly Wise 3000* Books K and 1, students complete activities that correspond to the teacher-read story; these activities invite children to engage with the story’s vocabulary words by circling, connecting, cutting and pasting, coloring, drawing, and discussing. This lesson structure ensures that students interact with each word in a variety of ways across multiple contexts that highlight different dimensions of a word’s meaning.

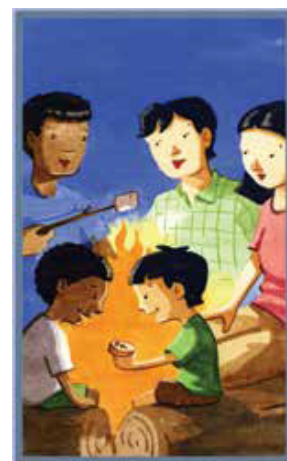
For example, the word *compass*, which first appears in the Book 1, Lesson 2 story “Camping at the Lake,” is introduced as follows:

- The teacher introduces the word *compass* using the Picture Card and provides a brief definition and explanation.

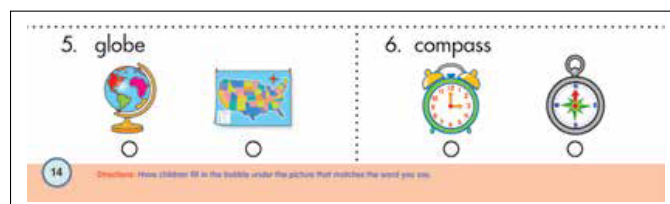


Program Example 12: Picture Card compass from *Wordly Wise 3000* Book 1, Lesson 2

- The teacher then reads the story “Camping at the Lake” aloud as students follow along by looking at illustrations in their student book. The word *compass* appears in the following sentence: “To make Jordan feel better, Chris showed him how to use the *compass* his dad gave him.” The accompanying illustration portrays Chris showing Jordan his compass.



- The teacher asks questions to clarify understanding. The students respond to a question about the word *compass*, and circle the compass illustrated in their student book.
- When the story is reread, students are asked to touch their nose when they hear the word *compass*.

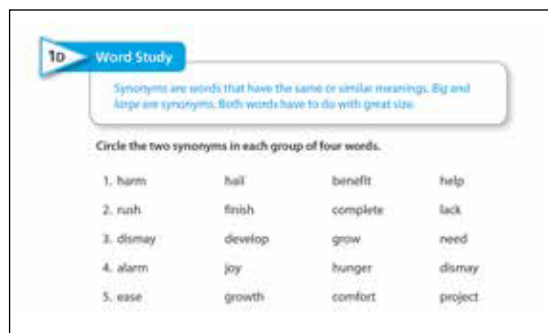


- Students cut and paste (Book K) or number (Book 1) the story's illustrations to put them in the correct sequence. Then, using the illustrations as cues, students retell the story using the vocabulary words.
- Students then complete a series of activities in their student books where they color, match pictures, or choose pictures from a group to identify words such as *compass*. Many vocabulary words also reappear in review activities and in subsequent stories.



Like Books K and 1, Books 2–12 follow a similar plan for interacting with a word in several contexts. Throughout these levels, the first exercise in each lesson focuses on word meanings, while the last exercise requires students to respond to open-ended questions about a passage in which the words appear in context. The activities give students practice demonstrating multiple meanings of each word. Students form a network of associations and connections with a word when they identify its synonyms and antonyms, determine whether it fits certain contexts, encounter it in a passage, and answer questions that depend on student word knowledge for comprehension.

Program Example 13: *Wordly Wise 3000* 4th edition Word Study activities offer a variety of practice including identifying synonyms and antonyms, determining contexts, and learning about affixes and word roots.



Books 4–12 feature more intensive work with synonyms, antonyms, analogies, and images. Instructional cloze is also utilized. For example, the word *represent* is used across a series of exercises in Book 4, Lesson 1. Students first see the dictionary definitions of the word. Then they meet the word in a variety of exercises and contexts.

Students experience multiple exposures to each word in *Wordly Wise 3000*. They meet the word repeatedly during the lesson (and through spiraled review in subsequent lessons) in a variety of listening, reading, and writing situations. The *Teacher's Resource Book* includes lesson review exercises, which are reproducible. These cloze-sentence exercises (one set per lesson) can be used to solidify and reinforce learning or assigned as an assessment. The lesson review exercises can also be used as an alternative to the open-ended passage questions; they offer suitable support for students who are challenged by open-ended writing.

Program Example 14: Lesson Review Exercises and Vocabulary Extension activity offer students extra practice in determining contexts, deepening knowledge, and using words in sentences.

Name _____ Date _____

Lesson
1

Review Exercise

- Not many people have heard of Marguerite Johnson. She is far better _____, Maya Angelou.
- Angelou wrote about her life in a multi-volume autobiography. The part _____ read is a very _____ version of that life.
- Angelou's books describe human behavior in all its forms. She shows _____ people can be but also how noble they can be.
- Bertha Flowers, who loved books, was a strong influence on the young _____ her friend and became a lover of books too.
- The Arkansas of the 1930s described by Angelou seems like another _____ memories of a time of deep racial divisions.
- When Angelou was a child, a line was drawn to keep African American _____ Anyone crossing that line would be _____ immediate _____.
- A number of characters come alive in the pages of Angelou's autobiography _____ a(n) _____ presence in the first book in the series.
- Momma kept her independence because she owned the store in Star _____ Momma didn't have to take orders from anyone.

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Wordly Wise 3000

1

Vocabulary Extension



pseudonym

noun A name someone uses that is not their real name.

The author uses a **pseudonym** for her books so she can keep her life private.

Academic Context

Mark Twain is the **pseudonym** of the famous American author Samuel Clemens.

Word Parts

The Greek prefix *pseudo* means "false."

The Greek word root *onyma* means "name."

So, the meaning of **pseudonym** is "false name."

Discussion & Writing Prompt

Why do you think someone would want to use a *pseudonym*?

1 min.

- Turn and talk to your partner or group.

Use this space to take notes or draw your ideas.

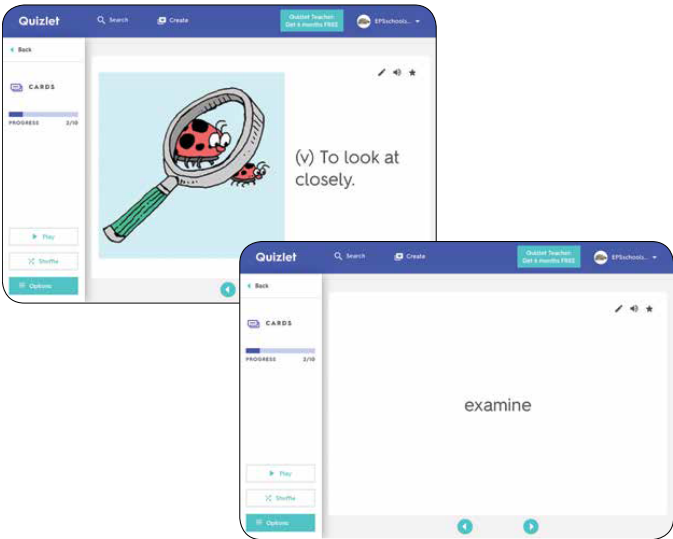
3 min.

- Write 2–4 sentences.

Be ready to share what you have written.

Additionally, *Wordly Wise 3000* 4th edition has partnered with Quizlet so students may take advantage of motivating, web-based activities pre-loaded with official *Wordly Wise 3000* study sets. Quizlet's games and study activities provide additional reinforcement for *Wordly Wise 3000*.

Program Example 15: Official *Wordly Wise 3000* Quizlet flashcard for the vocabulary word *examine*, taught in Book 3, Lesson 20.



Context-Based Practice


The ultimate goal of vocabulary instruction is for students to determine word meaning in authentic context. Beck et al. (2013) called for vocabulary instruction to include practice using vocabulary words in this manner. When conducted, vocabulary assessment should be based on how words are used in context (Beck et al., 2013; Pearson et al., 2012). However, sometimes a word's context is not all that helpful in determining meaning. According to Diamond and Gutlohn (2006), "for this reason, it is useful to intentionally create and develop instructional contexts that provide strong clues to a word's meaning. Instructional contexts are usually created by teachers, but can sometimes be found in commercial reading programs" (p. 25).

Wordly Wise 3000 Books 2–12 includes vocabulary-in-context passage activities in which students read a passage and answer a series of comprehension questions related to the knowledge of vocabulary words they have learned throughout the lesson. Instructional contexts are created to provide helpful clues to word meaning throughout the passages.

Program Example 16: Instructional contexts provide clues to word meaning in every *Wordly Wise 3000* 4th edition passage.

12^E

Vocabulary in Context
Read the passage.



Communicating with Koko

American Sign Language (ASL) is a form of communication that is as rich and flexible as spoken English. It is used by hundreds of thousands of hearing-impaired people. Each gesture of the hand or arm has a particular meaning. In the early 1970s, a most unusual student began learning to communicate through ASL. Her name was Koko, and her teacher was Dr. Francine Patterson.

► Answer each of the following questions with a sentence. If a question does not contain a vocabulary word from the lesson's word list, use one in your answer. Use each word only once.

1. What is the meaning of gesture as it is used in the passage?

Motivational Activities

Vocabulary instruction should include word play that increases motivation. Word play involves engaging games and activities that help reinforce word meaning. “When children are having fun—when they see a purpose or direction to their learning—learning takes on a more authentic, more welcoming quality” (Johnson, Johnson, & Schlichting, 2012, p. 210). Teachers should incorporate word-play activities such as games as much as possible (Gallagher & Anderson, 2016). Blachowicz and Fisher (2012) noted that word play keeps the “fun” in the fundamentals of vocabulary development as students develop “word consciousness.”

All lessons in *Wordly Wise 3000* Books 2–12 offer entertaining and informative commentary on word history, homophones, derivations, shades of meaning, roots and affixes, word relationships, and extended meanings, in a section called *Fun & Fascinating Facts* (*Fun Fact* in Books 2 and 3).

Program Example 17: The Fun & Fascinating Facts box in all lessons of *Wordly Wise 3000* 4th edition Books 2–12 offer students additional exposure to and context for vocabulary words.

Fun & Fascinating FACTS

- **Continuous** means “going on without stopping.” *Continual* means “happening over and over again.” When a telephone rings *continuously*, it does so without stopping, perhaps because no one answers and the person calling does not hang up. When a telephone rings *continually*, it starts to ring again as soon as one call ends, and this goes on repeatedly for some time.
- To **sheathe** something is to cover it for protection. A *sheath* is a case that fits over something, such as the blade of a knife. Note that *sheathe* rhymes with *breathe* and *sheath* rhymes with *teeth*.
- The adjective **minute** is pronounced *mī nōt*. A *minute* amount is one that is very small. The noun *minute* is pronounced *min’ it*. (There are sixty *minutes* in an hour.)

Additional practice and review come in the form of hidden message and crossword puzzles.

Program Example 18: Entertaining practice provides review and increased exposure to the vocabulary words before the lesson tests.

Book 3

Lessons 5 & 6

Review

Hidden Message Write the word that is missing from each sentence in the boxes next to it. All the words are from Lessons 5 and 6. The shaded boxes will answer the following riddle:

I have been around for many years. I have many little holes, but I can be filled with water, and none of it will leak out. What am I?

1. The magician put on a show that continued to _____ us days later.

2. There was a summer-long _____ between our last day of school in one year and the first day in the next.

3. I can't begin to tell you what it's like _____ it was to speak in front of the whole school.

4. The candidate's signs read "Vote for Me!" and "_____ Me!"

5. Rafael had no money, so he bought his suit on _____.

6. Our skiing trip would have been nicer without the _____ cold.

7. Imelda and Jan are on _____.

8. The ferryboat arrived _____.

9. It was my idea to _____ an old car tire.

10. After eating all the grapes, _____.

11. Australia is the world's _____.

12. A sudden _____ of wind _____.

13. Before Elise went to the ice cream shop, she _____.

14. From the wide, flat _____.

15. Kim's ability with language _____ anywhere in the world.

Book 2

Lesson 2

Review

Crossword Puzzle Solve the puzzle by writing the missing word in each sentence in the boxes with the matching numbers. The number after each clue is the lesson the word is from.

ACROSS

DOWN

1. How many pounds do you _____? (2)

2. The size of this airplane is _____ (2)

5. Hector used this metal _____ to serve ice cream. (2)

3. The fence has a big _____ where the tree fell on it. (2)

6. When the children heard the fire _____, they left the building. (2)

4. The tail on Jaime's kite got _____ in the tree. (2)

9. The opposite of boy is _____.

7. We clapped when the _____ did a back flip. (2)

10. This piece of wood will _____ the table until we can fix the leg. (2)

8. Please _____ the ball and throw it to the next player. (2)

11. Rosa threw the ball through the window by _____ (2)

22 Review for Lesson 2


“Motivation is a key factor in comprehension” (McLaughlin, 2012, p. 432). Other motivational activities involve peer interactions, wherein students engage with one another in their use of vocabulary words. Kuder (2017) noted improvements in academic performance through these types of peer-based approaches. Another strategy shown to be effective in motivating students to participate at higher levels is think-pair-share. This cooperative-learning discussion strategy involves having students “think” about a question posed by the teacher, “pair” with a student to discuss the question for a length of time, and “share”

what they found with the class when called upon by the teacher (Kaddoura, 2013). Shih and Reynolds (2015) found positive results in the use of this approach and noted students are generally receptive to working with one another.

Wordly Wise 3000 includes a derivation of the think-pair-share strategy called “turn and talk.” The brief turn-and-talk activities encourage student engagement with peers and authentic interaction with word meanings. Students begin using vocabulary in conversation with their peers as soon as they are introduced to the words.

Program Example 19: *Wordly Wise 3000* 4th edition turn-and-talk activities are a derivation of the think-pair share strategy that encourages student engagement.

authority
ə thôr' ə tē



n. 1. The right to give orders, make decisions, or take action.
Only the Congress of the United States has the **authority** to declare war.

2. An expert source of information.
The researcher Jane Goodall is a world **authority** on chimpanzees.

authorities *n.* A group of people who have the right to enforce laws.
The **authorities** closed the restaurant because it did not meet the proper standards for cleanliness.

.....

Tell your partner about a hobby or topic you are an authority on.

Summary

Given the importance of reading in general and vocabulary development specifically, coupled with the gaps in vocabulary knowledge evidenced by many, it is now widely accepted that vocabulary development become an essential ingredient of academic and vocational planning efforts in the area of literacy. With careful planning and curricular support, teachers can provide the kinds of robust vocabulary instruction needed to improve the vocabulary and corresponding comprehension skills of all students across the primary, intermediate, and high school grades.

Wordly Wise 3000 4th edition provides print-based, sequential, and systematic vocabulary instruction in a 13-book series across Grades K–12. Teachers can support and help differentiate student learning through published and field-tested materials, now in their fourth edition. Given the relationship between vocabulary and comprehension, it is critical to focus on vocabulary instruction across the grades. *Wordly Wise 3000* utilizes best practices in vocabulary instruction including (a) a focus on Tier Two general academic

vocabulary; (b) assessment practice similar to what is found on standardized tests; (c) instruction on 3,000 words (throughout Books 2–12); (d) inclusion of multi-tier instructional support shown to be effective with a wide range of learners; and (e) robust vocabulary instruction.

Wordly Wise 3000 4th edition includes several important features of robust vocabulary instruction. First, self-assessment is used to bring students into the assessment process from the start. Second, students receive instruction through read-alouds with illustrations in the early grades. Third, students participate in rich active learning opportunities that provide them with clear instructional routines. Fourth, student-friendly definitions are used to ensure word meaning is clear and enhance learning. Fifth, multiple and varied exposures and review opportunities engage students in ways that promote deep learning. Sixth, students learn important words with a focus on context-based practice. Finally, motivational activities abound that hook students and keep them on task and learning at high levels.

References

- Archer, A. L., & Hughes, C. A. (2011). *Explicit instruction: Effective and efficient teaching*. New York, NY: Guilford.
- Armbruster, B. B., Lehr, F., & Osborn, J. (2006). *The research building blocks for teaching children to read: Put reading first: Kindergarten through grade 3*. Jessup, MD: National Institute for Literacy.
- Beck, I. L., McKeown, M. G., & Kucan, L. (2008). *Creating robust vocabulary: Frequently asked questions & extended examples*. New York, NY: Guilford.
- Beck, I. L., McKeown, M. G., & Kucan, L. (2013). *Bringing words to life: Robust vocabulary instruction* (2nd ed.). New York, NY: Guilford.
- Biemiller, A. (2012). Teaching vocabulary in the primary grades: Vocabulary instruction needed. In E. J. Kame'enui & J. F. Baumann (Eds.), *Vocabulary instruction: Research to practice* (2nd ed.) (pp. 34–50). New York, NY: Guilford.
- Biemiller, A., & Boote, C. (2006). An effective method for building meaning vocabulary in primary grades. *Journal of Educational Psychology*, 98(1), 44–62. doi: 10.1037/0022-0663.98.1.44
- Blachowicz, C. L. Z., & Fisher, P. (2012). Keep the “fun” in fundamental: Encouraging word consciousness and incidental word learning in the classroom through word play. In E. J. Kame'enui & J. F. Baumann (Eds.), *Vocabulary instruction: Research to practice* (2nd ed.) (pp. 189–209). New York, NY: Guilford.
- Coyne, M. D., Capozzoli-Oldham, A., & Simmons, D. C. (2012). Vocabulary instruction for young children at risk of reading difficulties: Teaching word meanings during shared storybook readings. In E. J. Kame'enui & J. F. Baumann (Eds.), *Vocabulary instruction: Research to practice* (2nd ed.) (pp. 51–71). New York, NY: Guilford.
- Cuticelli, M., Coyne, M. D., Ware, S. M., Oldham, A., & Loftus Rattan, S. (2015). Improving vocabulary skills of kindergarten students through a multi-tier instructional approach. *Intervention in School and Clinic*, 50(3), 150–156. doi: 10.1177/1053451214542041
- Dale, E., & O'Rourke, J. (1981). *Living word vocabulary*. Chicago, IL: World Book/Childcraft International.
- Dang, T. H. (2015). Web-based vocabulary learning with Quizlet. *Teaching English as a Second or Foreign Language*, 19(2), 1–8.
- Diamond, L., & Gutlohn, L. (2006). *Vocabulary handbook: For all educators working to improve reading achievement*. Berkeley, CA: CORE.
- Flaum-Horvath, S., Marchand-Martella, N. E., Martella, R. C., & Kauppi, C. (2017). Examining the effects of SRA FLEX Literacy® on measures of Lexile® and oral reading fluency with at-risk middle school readers. *The Journal of At-Risk Issues*, 20(1), 1–9.
- Foorman, B. R., Smith, K. G., & Kosanovich, M. L. (2017). *Rubric for evaluating reading/ language arts instructional materials for kindergarten to grade 5* (REL 2017-219). Washington, DC: U.S. Department of Education, Institute of Education Sciences, National Center for Education Evaluation and Regional Assistance, Regional Educational Laboratory Southeast. Retrieved from <https://ies.ed.gov/ncee/edlabs>.
- Ford-Connors, E., & Paratore, J. R. (2015). Vocabulary instruction in fifth grade and beyond: Sources of word learning and productive contexts for development. *Review of Educational Research*, 85(1), 50–91.
- Fry, E. B., Kress, J. E., & Fountoukidis, D. K. (2000). *The reading teacher's book of lists* (4th ed.). San Francisco, CA: Jossey-Bass.
- Gallagher, M. A., & Anderson, B. E. (2016). Get all “jazzed up” for vocabulary instruction: Strategies that engage. *The Reading Teacher*, 70(3), 273–282. doi: 10.1002/trtr.1498
- Gillam, S. L., Olszewski, A., Fargo, J., & Gillam, R. B. (2014). Classroom-based narrative and vocabulary instruction: Results of an early-stage, nonrandomized comparison study. *Language, Speech, and Hearing Services in Schools*, 45, 204–219.
- Goldenberg, C. (2008). Teaching English language learners: What the research does—and does not—say. *American Educator*, 32(2), 8–44.
- Harris, A. J., & Jacobson, M. D. (1982). *Basic reading vocabularies*. New York, NY: Macmillan.
- Hart, B., & Risley, T. R. (2003). The early catastrophe: The 30 million word gap by age 3. *American Educator*, 27(1), 4–9.

- Hart, B., & Risley, T. R. (1995). *Meaningful differences in the everyday experiences of young American children*. Baltimore, MD: Brookes.
- Johnson, D. D., Johnson, B., & Schlichting, K. (2012). Language play: Essential for literacy. In E. J. Kame'enui & J. F. Baumann (Eds.), *Vocabulary instruction: Research to practice* (2nd ed.) (pp. 210–228). New York, NY: Guilford.
- Kaddoura, M. (2013). Think pair share: A teaching learning strategy to enhance students' critical thinking. *Educational Research Quarterly*, 36(4), 3–24.
- Kame'enui, E. J., & Baumann, J. F. (Eds.). (2012). *Vocabulary instruction: Research to practice*. New York, NY: Guilford.
- Kuder, S. J. (2017). Vocabulary instruction for secondary students with reading disabilities: An updated research review. *Learning Disability Quarterly*, 78, 1–10. doi: 10.1177/0731948717690113
- Lesaux, N. K., Kieffer, M. J., Kelley, J. G., & Harris, J. R. (2014). Effects of academic vocabulary instruction for linguistically diverse adolescents: Evidence from a randomized field trial. *American Educational Research Journal*, 51(6), 1159–1194. doi: 10.3102/0002831214532165
- Loftus, S. M., & Coyne, M. D. (2013). Vocabulary instruction within a multi-tier approach. *Reading & Writing Quarterly*, 29, 4–19. doi: 10.1080/10573569.2013.741942
- Loftus-Rattan, S. M., Mitchell, A. M., & Coyne, M. D. (2016). Direct vocabulary instruction in preschool: A comparison of extended instruction, embedded instruction, and incidental exposure. *The Elementary School Journal*, 116(3), 391–410. doi: 10.1080/02702711.2013.839485
- Manyak, P. C. (2012). Powerful vocabulary instruction for English learners. In E. J. Kame'enui & J. F. Baumann (Eds.), *Vocabulary instruction: Research to practice* (2nd ed.) (pp. 280–302). New York, NY: Guilford.
- Manyak, P. C., Von Gunten, H., Autenrieth, D., Gillis, C., Mastre-O'Farrell, J., Irvine-McDermott, ..., Blachowicz, C. L. Z. (2014). Four practical principles for enhancing vocabulary instruction. *The Reading Teacher*, 68(1), 13–23. doi: 10.1002/trtr.1299
- Marchand-Martella, N. E., Martella, R. C., Modderman, S. L., Petersen, H., & Pan, S. (2013). Key areas of effective adolescent literacy programs. *Education and Treatment of Children*, 36(1), 161–184.
- Marzano, R. J. (2009). The art and science of teaching six steps to better vocabulary instruction. *Educational Leadership*, 67(11), 83–84.
- McGlynn, K., & Kozlowski, J. (2017, March). Helping students succeed by preteaching content-area vocabulary. *Science Scope*, 88–91.
- McLaughlin, M. (2012). Reading comprehension: What every teacher needs to know. *The Reading Teacher*, 65(7), 432–440. doi: 10.1002/TRTR.01064
- National Center for Education Statistics. (2012). *The nation's report card: Vocabulary results from the 2009 and 2011 NAEP reading assessments* (NCES 2013 452). Institute of Education Sciences, U.S. Department of Education, Washington, D.C.
- National Institute of Child Health and Human Development (NICHD). (2000). *Report of the National Reading Panel. Teaching children to read. An evidence-based assessment of the scientific research literature on reading and its implications for reading instruction*. (NIH Publication No. 00-4769). Washington, DC: US Government Printing Office.
- Nelson, K. L., Dole, J. A., Hosp, J. L., & M. K. Hosp, (2015). Vocabulary instruction in K-3 low-income classrooms during a reading reform project. *Reading Psychology*, 36, 145–172. doi: 10.1080/02702711.2013.839485
- Palumbo, A., Kramer-Vida, L., & Hunt, C. V. (2015). Teaching vocabulary and morphology in intermediate grades. *Preventing School Failure*, 59(2), 109–115. doi: 10.1080/1045988X.2013.850649
- Pearson, P. D., Hiebert, E. H., & Kamil, M. K. (2012). Vocabulary assessment: Making do with what we have while we create the tools we need. In E. J. Kame'enui & J. F. Baumann (Eds.), *Vocabulary instruction: Research to practice* (2nd ed.) (pp. 231–255). New York, NY: Guilford.
- Rosenshine, B. (2009). The empirical support for direct instruction. In S. Tobias & T. M. Duffy (Eds.), *Constructivist instruction: Success or failure?* (pp. 201–220). New York, NY: Routledge.
- Shanahan, T., Fisher, D., & Frey, N. (2012). The challenge of challenging text. *Educational Leadership*, 69(6), 58–62.
- Shih, Y-C., & Reynolds, B. L. (2015). Teaching adolescents EFL by integrating think-pair-share and reading strategy instruction: A quasi-experimental study. *RELJ Journal*, 46(3), 221–235. doi: 10.1177/0033688215589886

- Spies, T. G., & Dema, A. A. (2014). Beyond word meaning: Vocabulary instruction for students with exceptional language needs. *Intervention in School and Clinic*, 49(5), 271–280. doi: 10.1177/1053451213513798
- Stahl, S. (1999). *Vocabulary development*. Cambridge, MA: Brookline.
- Taylor, D. B., Mraz, M., Nichols, W. D., Rickelman, R. J., & Wood, K. D. (2009). Using explicit instruction to promote vocabulary learning for struggling readers. *Reading & Writing Quarterly*, 25, 205–220. doi: 10.1080/10573560802683663
- Vadasy, P. F., Nelson, J. R., & Sanders, E. A. (2011). Longer term effects of a tier 2 kindergarten vocabulary intervention for English learners. *Remedial and Special Education* 34(2), 91–101. doi: 10.1177/0741932511420739
- van Steensel, R., Oostdam, R., van Gelderen, A., & van Schooten, E. (2016). The role of word decoding, vocabulary knowledge and meta-cognitive knowledge in monolingual and bilingual low-achieving adolescents' reading comprehension. *Journal of Research in Reading*, 39(3), 312–329. doi: 10.1111/1467-9817.12042
- Wanzek, J. (2014). Building word knowledge: Opportunities for direct vocabulary instruction in general education for students with reading difficulties. *Reading & Writing Quarterly*, 30(2), 139–164. doi: 10.1080/10573569.2013.789786
- Wright, T. S. (2013). From potential to reality: Content-rich vocabulary and informational text. *The Reading Teacher*, 67(5), 359–367. doi: 10.1002/TRTR.1222

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