For young children, one of the most effective ways to learn new words is to listen to read-alouds. Older children, on the other hand, learn many new words through independent reading. Whether children are pre-readers or already reading independently, there is a growing consensus among educators regarding the need for direct teaching of academic vocabulary in a systematic program. In fact, recent research has shown not only that it is important, but that it is important much earlier than was previously thought. This is especially true for children who come from disadvantaged backgrounds, many of whom enter school knowing far fewer words than their middle class peers.

The words in the Wordly Wise 3000® series will expand the vocabularies and minds of today's students. The Third Edition, which extends from kindergarten through high school, provides teachers with effective research-based lessons for direct instruction in vocabulary.

Today's educators are becoming increasingly aware of the benefits of a structured vocabulary curriculum. Thomas Gunning, author of Creating Literacy Instruction for All Children, calls a planned program of vocabulary development “highly advisable,” and he suggests that a certain amount of time be set aside each week for vocabulary instruction: “A planned approach ensures that vocabulary instruction is given the attention it deserves. Important words and techniques for learning words are taught systematically and in depth” (2003, p. 236). Research studies have established that even though children learn many words incidentally, they also need and profit from the direct teaching of vocabulary (Curtis, 1987; Petty, Herold, & Stoll, 1968). “It is important that teachers provide explicit and direct vocabulary instruction for all students” (Vacca et al., 2003, p. 308).

Andrew Biemiller, of the Institute of Child Study in Toronto, recommends an increased emphasis on vocabulary instruction. With respect to the earliest grades, K and 1, Biemiller maintains that an exclusive emphasis on decoding without concurrent instruction in challenging vocabulary results in reading comprehension difficulties in the middle elementary years. For all students, Biemiller suggests “a teacher-centered and curriculum-structured approach to ensure adequate vocabulary development” (2001, p. 24). Wordly Wise 3000 embodies this approach.

The Gap in 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 much parents talk to their children, with children of professional families having a working vocabulary of 1,116 words, those from working class families, 749 words, and those from lower socio-economic level families, just 525 words. Although the need to remedy this early gap has been apparent for many years, a series of recent studies finds that the gap is not being adequately filled.
“We have to stop thinking of vocabulary as a supplemental activity. We must put it where it belongs, at the very core of the curriculum.”

“The findings suggest many districts could be at a disadvantage in meeting the increased requirements for vocabulary learning from the Common Core State Standards (CCSS), said study co-author Susan B. Neuman, a professor in educational studies specializing in early-literacy development at the University of Michigan in Ann Arbor.

‘Vocabulary is the tip of the iceberg: Words reflect concepts and content that students need to know,’ Ms. Neuman said. ‘This whole common core will fall on its face if kids are not getting the kind of instruction it will require’ (2013).

In the past, vocabulary was often addressed indirectly through a core reading, language arts, or spelling program. Moreover, researchers in the last century, such as Thorndike (1921, 1944), Rinsland (1945), Fry (1957), and Dale & O’Rourke (1981), developed word lists and teachers’ word books, suggesting which words to teach within these programs. Even today, word-frequency research is a building block of textbook programs (Steinmetz, 1999; Harris & Jacobson, 1982).

No longer, however, can vocabulary instruction be treated as merely a subsection of reading, language arts, and spelling programs. The National Reading Panel (National Institute of Child Health and Human Development, 2000) identified five pillars as the basis for reading instruction: phonological awareness, phonics, fluency, comprehension, and vocabulary. Among these topics, vocabulary is unique. The other topics involve learning a finite number of skills or suggest a finite amount of practice. Only vocabulary acquisition is ongoing throughout life (Stahl, 2004). “Word knowledge is not known or unknown as a letter name is; rather, knowledge about words and one’s ability to use vocabulary is acquired incrementally (Dougherty Stahl, 2011).

Vocabulary knowledge is essential for success on all of 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. The Wordly Wise 3000 series was designed to include a large percentage of words drawn from a variety of standardized tests in order to help students succeed.

The standards movement—especially the Common Core State Standards—has raised the bar for all students, making vocabulary instruction essential, beginning as early as kindergarten. Expectations are higher, and the curriculum is more challenging (Wixson & Dutro, 1998; Editorial Projects in Education, 2001). The need is greater, therefore, for vocabulary instruction for the many students who are struggling to pass the high-stakes tests based on the new standards. Wordly Wise 3000, Third Edition, has been correlated with the Common Core State Standards.

The research of the late Jeanne Chall and her colleagues showed a pressing need for direct vocabulary instruction for many children. Those researchers pointed out that, even after strong phonics instruction, children who are not exposed to broad vocabulary outside school declined in reading comprehension between grades 3 and 7 because of their vocabulary limitations—the limits of their language (Chall, Jacobs, & Baldwin, 1990). But research has also shown that those limits can be extended: Stahl and Fairbanks (1986) established that direct vocabulary instruction can significantly improve comprehension. In fact, vocabulary knowledge is the most important factor in reading comprehension (LaFlamme, 1997).

Better comprehension is one of the primary benefits of the vocabulary curriculum of Wordly Wise 3000. But the other benefits extend into all areas of oral and written communication. Vocabulary is also an avenue to better writing (Tomkins, 2003). Students are led to use the featured words from their Wordly Wise 3000 lessons in their writing, as well as to comprehend them in reading.
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, because “A person with a larger vocabulary not only knows more words, but also knows more meanings for many words” (Qian, 1999; Vermeer, 2001, as cited in Stahl & Nagy, p. 13), *Wordly Wise 3000* 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.

**Books 2 through 12**

When Kenneth Hodkinson speaks to teachers around the country about his *Wordly Wise 3000* series, he frequently gets inquiries about how he chose the words and what he considers important in vocabulary exercises. His answers show both his research orientation and his creativity. Hodkinson’s starting point was the research by Harris and Jacobson (1982) on word frequency in school readers and the grade level of a word’s first appearance. For example, consider Hodkinson’s reasoning regarding 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 level. Enormous is in Book 2 of the series, and gigantic appears several books later” (2002, p. 13). Other factors that Hodkinson considered in the choice of words were usefulness (thereby favoring arduous and eliminating aardvark), number of meanings (including mammoth, as both noun and adjective, and rejecting mermaid), and correlations with the SAT and various high-stakes tests (2002, p. 14).

Hodkinson maintains that questions of all kinds, even multiple-choice questions, can be engaging, challenging, and creatively designed. He gives this example:
Multiple exposures help a child learn a word.

Which of the following is ancient?
(a) a joke you’ve heard before
(b) last year’s calendar
(c) an Egyptian mummy
(d) a dinosaur bone

“More than one answer may be correct, which of course makes it harder. An Egyptian mummy and a dinosaur bone are obviously ancient, while last year’s calendar may be out-of-date but is hardly ancient. But what about a joke or an exciting bit of news you’ve heard before? A typical response might be, ‘Oh! That’s ancient!’ using the word colloquially. Is that a correct answer? Opinions could differ” (Hodkinson, 2002, p. 10). Differing opinions make for lively discussions of words. Active participation in such discussions promotes the learning of vocabulary (Carr & Wixson, 1986).

Organization and Progression of Wordly Wise 3000

The progression through various levels of the Wordly Wise 3000 series is developmentally appropriate (Mountain, 2000). Books K and 1 focus on oral presentation of the words, with clear, colorful picture support. Pictures show the action of each story and are used in the activities that follow. Picture and Concept Cards are also used to introduce children to the words and to present background knowledge. Book K features 12 lessons, and Book 1 features 15 lessons. Books 2 and 3, each comprising 15 lessons, also use pictures to enrich definitions. Books K through 3 feature 10 words per lesson; in Books K and 1, they are introduced over a two-week period, 5 words per week. The manageable numbers of words and lessons incrementally lead young students into awareness and appreciation of vocabulary as an ongoing part of their elementary curriculum.

Books 4 through 12 feature 300 words each. Research indicates that 300 words (20 lessons of 15 words each) is a realistically achievable number to be taught through direct instruction in the middle grades (Stahl, 1999). While working with struggling readers in the eighth grade, Beers (2003) determined that 20 words per lesson were too many. She suggested a more intense focus on fewer words.

Research-based Structure of Lessons in Wordly Wise 3000

Children learn words best by meeting them many times in many different contexts. The structure of lessons in Wordly Wise 3000 helps retention, since repeated engagements with a new word can lead to deep processing of the meaning (Dole, Sloan, & Trathen, 1995; Rosenbaum, 2001). Throughout the Wordly Wise 3000 series, students receive multiple exposures to each word. They meet the word again and again in the lesson (and spiral through subsequent lessons and reviews) in a variety of listening, reading, and writing situations. Estimates of when mastery of a particular word occurs differ, since children learn words in stages (Graves, 1987; Dale & O’Rourke, 1971). So while researchers differ on the ideal number of exposures, ranging from two to a dozen (Beck, McKeown, & Omanson 1987; Stahl & Fairbanks, 1986), they agree that multiple exposures help a child learn a word.

In Wordly Wise 3000 Books K and 1, lessons begin with an oral and visual presentation of the words, followed by a read-aloud. The read-aloud stories describe the adventures of three children as they enter kindergarten and progress through first grade together. Lessons in Books 2 and 3 use definitions, parts of speech, and a sentence using the word as starting points. Books 4 through 12 add pronunciations. These lessons quickly branch into activities in which the students encounter and use the words, culminating with a passage where all the words appear in context. This methodology is supported by the studies of Stahl and Fairbanks (1986) and Stahl (1999), which recommend that direct instruction include both definitional and contextual knowledge.
The activities also encourage students to use the words in their own writing, as recommended by Beers (2003).

All lessons in Books 2 through 12 also offer entertaining and informative commentary on word histories, 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).

Additional reviews come in the form of hidden message puzzles and crossword puzzles. Thus, study and game playing combine for reinforcement (Mountain, 2002).

**In-depth Learning of Words in Wordly Wise 3000**

“Knowing a word is more like being able to use a tool than it is like being able to state a fact” (Nagy & Scott, 2000, p. 273). In the Wordly Wise 3000 series, students truly learn to use the featured words “like tools.”

**Books K and 1**

How can you teach the meanings of new words to children who are not yet independent readers—or even readers? In Wordly Wise 3000 Books K and 1, initial instruction takes place primarily through the medium of spoken language, followed by Student Book activities that invite children to circle, connect, cut and paste, color, draw, and discuss. This lesson structure ensures that children interact with each word in a variety of ways across multiple contexts that highlight different dimensions of the word’s meaning. To illustrate, let’s follow the word **compass**, which first appears in Book 1, Lesson 2, “Camping at the Lake,” through a typical course of instruction.

- The teacher introduces the word **compass** using the Picture Card and provides a brief definition and description.
- The teacher then reads the story “Camping at the Lake” aloud as children follow along by looking at pictures in the 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 clearly shows Chris showing Jordan his compass.
- After the teacher asks questions to clarify understanding, the children respond to a question about the word, circling the **compass** in the Student Book story picture.
- When the story is reread, children are asked to touch their nose when they hear the word **compass**.
- Children cut and paste (Book K) or number (Book 1) story pictures to put them in the correct sequence. Then, using the pictures as cues, children retell the story using the vocabulary words. Children then do a series of activities in their Student Books in which 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 subsequent stories.

Because studies have shown that hearing a story several times results in better vocabulary learning than hearing it only once (Sénéchal, 1997), each story in Books K and 1 is read aloud on three different occasions. Each reading involves the children in a different manner. During the first reading, children 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.

**Books 2 through 12**

Like Books K and 1, these levels 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, and the last exercise requires students to write answers to questions about a passage in
which the words appear in context. The activities demonstrate the shades of meaning 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 an article, and answer questions that make it clear that the comprehension of the material depends upon word knowledge. Each word in the Wordly Wise 3000 series is taught thoroughly and memorably.

Books 5 through 12 feature more intensive work with synonyms, antonyms, analogies, and images. The efficacy of such word work is well supported by research. Stahl (1999) places the teaching of synonyms and antonyms first on his list of things a teacher might do to provide definitional information. Tompkins (2003) sees the study of synonyms and antonyms as an effective route to the thesaurus. The benefits of instruction in analogies carry over into the content areas (Glynn, 1994).

Let’s follow the word represent through a typical series of exercises in Book 4, Lesson 1. First, students see the dictionary definitions of the word. Then they meet the word in a variety of exercises and contexts.

**From Word List 1**

**represent**

v. 1. To stand for or in place of. Three dots represent the letter “S” in the Morse code.

2. To act in place of.

Each state in the U.S. elects two senators to represent it in Congress.

**1A Finding Meanings**

Choose two phrases to form a sentence that correctly uses a word from Word List 1. Write each sentence in the space provided.

(a) stand in for him or her. (c) To represent someone is to

(b) invite him or her. (d) To recommend someone is to

**1B Just the Right Word**

Improve each of the following sentences by crossing out the bold phrase and replacing it with a word (or a form of the word) from Word List 1.

In English, the letter “c” stands for two different sounds.

**1C Applying Meanings**

Circle the letter or letters of each correct answer. A question may have more than one correct answer.

Which of the following represent other people?

(a) state senators (c) storekeepers

(b) taxi drivers (d) lawyers

**1D Word Study**

Synonyms are words that have the same or similar meaning. Big and large are synonyms. Both words have to do with great size.

Circle the two synonyms in each group of four words.

repeat   utter   represent   say

Note: Books 2 and 3 feature a slightly different grouping of activities which are age-appropriate; Books 9 through 12 also feature some more challenging activities suited for those levels.

**Passage, Questions, and Fun & Fascinating Facts**

Students read a nonfiction passage in which the lesson words are used in context. Then they write answers to questions about words, such as represent. For this Third Edition, all passages have been assigned measures using The Lexile Framework® for Reading. The Fun & Fascinating Facts section concludes the lesson with interesting facts about words and their histories.
Review and Reinforcement

Within and beyond each book, students have even more opportunities to encounter each featured word. In the case of the word *represent*, for example, students are questioned about it in a passage in the Book 4 Midterm Test 1 (covering Lessons 1–10). This test appears in the Teacher’s Resource Book:

Nadia Comaneci, a fourteen-year-old gymnast, was representing Romania at the Olympic Games.

The Teacher’s Resource Book also offers a feature called Lesson Review Exercises, which appears in reproducible form. These cloze exercises (one set per lesson) can be used to solidify and reinforce learning or as assessment. They can also be used as an alternative to the open-ended questions following the Passage. Using them might be suitable for students who are challenged by open-ended writing.

Assessment

*Wordly Wise 3000* Books K and 1 feature oral assessments, both formal and informal. Reproducible checklists for each lesson make keeping track of student progress easy and convenient.

Reproducible tests are available for *Wordly Wise 3000* Books 2 through 12 in the corresponding Teacher’s Resource Book. Tests contain multiple-choice questions for every word in formats resembling those of standardized tests. In addition to being effective for high-stakes test preparation, the *Wordly Wise 3000* tests also reinforce the application of word knowledge in new contexts because context is the most frequently invoked aid to comprehension (Allen, 1999; Alvermann & Phelps, 1998; Nagy, 1988).

An online Test Generator offers teachers another choice, providing the flexibility of testing only those words they choose or of grouping words as they see fit. The Test Generator provides three times as many items per word as the printed reproducible tests. It also includes a choice of passages at each cumulative, midterm, and final testing point.

Technology

Students who struggle to read and comprehend can be helped by listening to text as they read it. For these students, audio support promotes both retention and fluency. Recent research has provided evidence to support the effectiveness of audio support while reading (Balajthy, 2005). This research indicates that many types of learners can be helped by audio support, including older struggling readers (Elkind, 1998; Wattenberg, 2004) and those suffering from attentional difficulties (Hecker, Burns, Elkind, Elkind, & Katz, 2002).

In order to provide this support, as well as to facilitate independent practice, *Wordly Wise 3000* now has three additional resources:

Audio CDs for Books 2–12

These allow students to listen to words, definitions, and reading passages being read aloud as they follow along. This provides a way for teachers to differentiate instruction for the needs of individual students. The word list for every lesson is available and includes definitions and a bonus quick-check comprehension question to ensure that students understand word meaning.

- Modeling of correct pronunciation of all words is featured.
- All reading passages are read aloud with fluency.
- All vocabulary words are used in context.

Free Online Web Resources

Go to WordlyWise3000.com to find:

- Word lists and definitions with downloadable MP3 audio to promote independent study
- Interactive vocabulary games
- Graphic organizers
Wordly Wise 3000 Online

The entire program is now available in an online format for Levels 2 through 12. All the same content as Wordly Wise 3000 Third Edition is available in an interactive format with full audio scaffolding, making the program accessible to students who struggle with reading and for English Language Learners, as well as providing motivation for today’s tech-savvy students.

For more information, go to epsbooks.com/WW3000online

Wordly Wise Science & Social Studies™

Wordly Wise 3000, whether Print or Online, is a general academic vocabulary program, one that teaches the kinds of words students need to achieve in school. But students also need to understand the domain-specific vocabulary of content-area subjects, particularly the challenging terms they meet in science and social studies. Wordly Wise Science & Social Studies is an online program for Grades 4 through 8 that focuses on these content areas. The Common Core State Standards state that students should be able to “Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade [level] topic or subject area.” (2010, p. 14) Used in combination with Wordly Wise 3000, Wordly Wise Science & Social Studies provides a rich, wide-ranging vocabulary curriculum.

Alignment of Wordly Wise 3000 with NCTE/IRA and Common Core State Standards (CCSS)

The standards movement has set higher goals for all students, including those from disadvantaged backgrounds, English Language Learners, and struggling readers (Stotsky, 1997; Biemiller, 1999). These students need a vocabulary curriculum to help them meet these goals.

The curriculum of the Wordly Wise 3000 series is closely aligned with the national standards of the International Reading Association and the National Council of Teachers of English (1996) and with the newer Common Core State Standards. The alignment of Wordly Wise 3000 with the former is evident in the inclusion of nonfiction passages on a wide variety of topics in both the lessons and tests. The standards emphasize the desirability of range, variety, and diversity in students’ reading. Additional standards focus on reading and writing strategies. These standards point out the importance of context and knowledge of word meaning, as well as the use of vocabulary in effective communication. The Wordly Wise 3000 series relates writing, as well as reading, to vocabulary study. The series also addresses language conventions and figurative language.

With the adoption of the Common Core State Standards Initiative (CCSSI, 2010) and of national efforts to reform education and prepare students for college and career, the importance of vocabulary instruction receives new validation at all levels, and Wordly Wise 3000 meets these standards. With young students, for example, the second grade standards require students to “use words and phrases acquired…including adjectives and adverbs” (p. 27). At the uppermost levels, in grades 11 and 12, students must demonstrate ability to “Determine the meaning of words and phrases as they are used in text, including figurative, connotative, and technical meanings” (p. 38). In addition, comprehension- and writing-related standards are directly based on the assumption that students have developed substantial word knowledge to support their reading and writing. For more information, go to epsbooks.com/commoncore

Conclusion

The research-into-practice aim of the standards movement parallels the aim of the Wordly Wise 3000 series. The lessons in this series give specificity to the standards and put them into teachable form for teachers facing the perennial problem of too much to do in too little time.

“Given the pressures of extensive curricula,
limited time, and a wide range of student abilities, teachers need vocabulary strategies that can yield the greatest benefit in student learning with the least cost in planning and instructional time” (Alvermann & Phelps, 1998, p. 261). The Wordly Wise 3000 series is a time-saver in that it provides teachers with an organized vocabulary curriculum that has sequence, structure, and research-based strategies for instruction.

Kenneth Hodkinson has taught English to elementary, junior high, and high school students in the United States, Canada, and England. A playwright who studied at the Yale Drama School, Mr. Hodkinson has had several plays performed, and is also a poet and an inventor of games, including “The Reading Game.” His puzzles have appeared in newspapers and books, and he gives workshops on vocabulary development to teachers, students, and administrators.


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