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Building Vocabulary—Level 10

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Teacher's Guide Cover (1 page)
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Lesson Plan (12 pages)



Level 10

Building March 1900 Building March 1900 BULARY

from Word Roots

Teacher's Guide



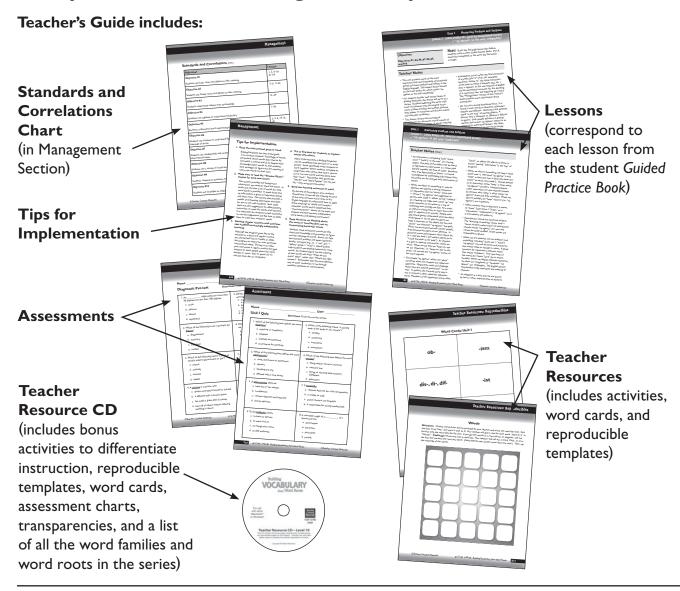


Teacher Created Materials

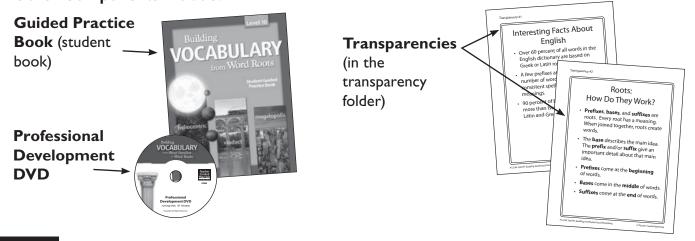
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Components of the Building Vocabulary Kit



Other Components Include:



How to Use This Program

The following provides a more detailed overview of the various components of this program, including the differentiated, five-part lessons, the Assessment section, the Teacher Resources section, and the Teacher Resource CD. Each component offers support for the entire program, making students' word learning meaningful and fun.

Lesson Overview



Each lesson in the Guided Practice Book begins with Part A ("Meet the Root"). This activity is called "Divide and Conquer," and it provides the foundation for all activities that follow. It asks students to divide words into their

word parts, which requires them to identify the Greek and Latin roots from each lesson. Students "conquer" words by writing the meaning of each word part and finally, the meaning of the entire word. Since this is intended as an explicit instruction day, help students by using the following suggestions:

Remind students that when we translate bases and prefixes, we normally put the base first (as the core of the word) and then add the meaning of the prefix. For example, the word *convene* does not mean "together come," although the roots appear in that order; translate the base first in order to produce "come together."

After students divide and translate the word parts in the first two blanks, ask the question, "If the base A means X and the prefix B means Y, then the whole word means XY." For example, with the word *cooperate*, assist students by saying, "If the base *oper* means "work" and the prefix *co-* means "with, together," then the whole word means "work together" (formally defined as "work together in harmonious fashion").

The first word in each "Divide and Conquer" activity is often the most challenging, so students will benefit from explicit instruction. Then students will be better able to independently "divide and conquer" the remaining words on the list.



✓ In Part B ("Combine and Create"), students compose English words from the word roots. Usually, in this part of the lesson, students analyze something and record an English word as the answer.



In **Part C** ("Read and Reason"), students read a variety of passages that use word roots in context and then answer questions in pairs or small groups about the root-based vocabulary.



✓ In Part D ("Extend and Explore"), students work individually and in partners/small groups to create applications for the new vocabulary.



In **Part E** ("Go for the Gold!"), students enjoy a variety of vocabulary activities and games for additional word-root practice and review.

Objectives

Objectives #1, #4, #6, and #7

Note: Teach this four-page lesson plan before students work in their *Guided Practice Books*. Part A should be completed on the same day the lesson is taught.

Teacher Notes

- This week's lesson focuses on the Latin bases duc, duct, which mean "lead." These bases were first presented in Level 5 of the Building Vocabulary series (Unit IV, Lesson 18). We begin the lesson with familiar duc, duct words and then introduce grade-appropriate vocabulary. This root generates many academic words with rich cognates and interesting word histories. Because of this, Part A may require extra instructional time.
- Students will already know some words built on this base, such as conductor, produce, product, reduce, educate, abduct, aqueduct, and ductile. All of these words, along with other cognates built on duc, duct, have a common meaning that has to do with "leading."
- In some duc, duct words, the meaning of "lead" is obvious: to abduct is to kidnap by "leading" someone "away"; exceptional performers in sports or music can be inducted ("led" "into") into the hall of fame; an aqueduct is a structure developed by the Romans for "leading" "water" from the countryside into urban areas; ductile metals can be hammered thin and "led" into wire.
- Many duc, duct words share the same prefixes. In some of these words, the base meaning of "lead" is less obvious, but it can be detected by comparing other duc, duct words with the same prefix. For example, the conductor of a symphony orchestra "leads" musicians "together" as they play. The idea of "leading" is present in cognate words beginning with the prefix con: our conduct is the way we

- "lead" ourselves and behave when we are "with" other people; a metal conducts electricity by "leading" the electrical charge "with" itself from one place to another; when we say that studying is conducive to good grades, we mean that such behavior "leads" "with" itself to a desired end. Even a railway conductor is responsible for taking the "lead" to make sure that everyone on the train works "together" for a safe trip.
- A producer is in charge of creating ("leading" "forth") films and other theatrical productions. This word, frequently associated with elaborate Hollywood productions on the "big screen," occurs in the saying, "Don't make a production of it." (For more duc, duct words that share the same prefix, see "Definitions for Teachers" in the Vocabulary Definitions for Teachers folder on the Teacher Resource CD.)
- The base duc, duct has produced many words with interesting histories. Reinforce the important concept that words have semantic histories. The word produce refers to the fruits and vegetables "led" "forth" from the ground. (See Did You Know? in the Bonus Pages folder of the Teacher Resource CD.) The meaning comes from the Romans' belief in Mother Earth as a fertility goddess who physically led plants from the soil.
- The original educators in ancient Rome were servants responsible for raising the children of aristocratic families. These servants were charged with "leading" the children "out of" childhood into adulthood by teaching

Teacher Notes (cont.)

them reading, writing, and arithmetic. Most of these servants were Greek slaves (called pedagogues, which is Greek for "those who lead a child" to school, hence our word pedagogy). Even today, we still view teaching as a "service profession" whose goal is the nurturing of children.

- The word viaduct (an overpass that "leads" the "road" [via- = "way, road"] over train tracks) was created through an analogy with the original Latin-based word aqueduct (a raised structure created by the Romans to "lead" "water" from the country into the city). Refer to Transparency #21 for more information.
- To traduce means to defame, ridicule, and expose to slander. We traduce someone's reputation by spreading malicious rumors and saying mean-spirited things. This word, which literally means to "lead" "across" (prefix tra-, trans- = "across, change"), originates with the ancient Roman practice of "leading" military captives "across" the city during a triumphal procession. The Roman victors would line the streets and hurl slurs at their conquered enemies. The Romans also made their victims walk under Roman "triumphal arches" to symbolize their subjugation under the "yoke" of Roman rule.
- Some modern exercise machines work leg muscles called hip abductors (muscles we use to "lead" our legs out and "away from" the body). We exercise our hip abductors by pressing our thighs outward against resistance, "away from" (prefix ab- = "away, from") the body. Other machines strengthen our muscles that "lead" our legs "toward" the body, called hip adductors. We exercise these muscles by pressing our thighs together

- against resistance and bringing them "to toward" (prefix ad- = "to, toward, add to") one another. It is interesting that in modern exercise physiology, the English language still turns to Latin roots to create new words for modern devices.
- The bases duc, duct appear in words that deal with math, logic, and argumentation. We adduce evidence or arguments to support our position. We "lead" these facts or explanations "to" our claim. A deduction is a conclusion or inference made by "leading" a general premise or theory "down" (prefix de-) to a specific application. Compare this meaning of deduction with its financial sense of taking a deduction. When we deduct an item from a list of expenses, we "lead" it "downward" from a column of numbers. Think of the word markdown in prices.

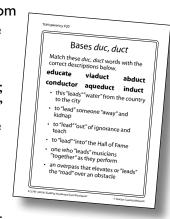
Direct students to *Guided Practice Book* pages 39–43 to find the activity pages for Unit II, Lesson 7, Parts A–E.

Activate Background Knowledge

- I. Write duc, duct on the board. Tell students that this week's lesson focuses on the Latin bases duc, duct, which mean "to lead." Tell students that this root is in many familiar words, although sometimes figuring out how the words mean "to lead" can be tricky.
- 2. Now write educate, viaduct, abduct, conductor, aqueduct, and induct on the board. Note that some of these words are very familiar and others may be new, but that each of these duc, duct words has a prefix to help them figure out the meaning. Ask students to work in pairs and use what they already know about these words or their knowledge of the prefixes to come up with a definition that includes "lead."
- 3. Invite a few students to share definitions for each word. Note similarities and differences in their definitions. If appropriate, point out how their definitions might be altered

- if the words were used in the context of a sentence or conversation.
- 4. Show students **Transparency #20** and ask students to work with their partners once again, this time matching each of the words with the correct definition (aqueduct = this

"leads" "water" from the country to the city; abduct = to "lead" someone "away" and kidnap; educate = to "lead" "out" of ignorance and teach; induct = to "lead" "into" the Hall of Fame; conductor = one



who "leads" musicians
"together" as they perform; viaduct = an
overpass that elevates or "leads" the "road"
over an obstacle).

Teach New Concepts

- 5. Ask students to compare their definitions to those on the overhead. Remind them that English words have interesting histories that are sometimes surprising. Ask if anyone recalls how the word education came to us from the Romans. **Note:** It was introduced in Level 5. If not, take a moment to share its history (see *Teacher Notes*).
- 6. Point out the words aqueduct and viaduct.
 Briefly ask students to think about how the meanings of these two words are similar and how they are different (e.g., they both have something to do with "leading," but aqueduct

is about water and *viaduct* is about roads and vehicles). Now show **Transparency**

#21, which explains how modern engineers turned to the ancient Roman system of aqueducts to help them created elevated roadways, or viaducts, for cars.



Teach New Concepts (cont.)

7. Using **Transparency #19**, ask students to work in pairs and see if they can figure

out what each set of these duc. duct words have to do with "lead" (conduct, conducive, conduit; productive, product, produce; introduce, introductory, introduction; seduce, seductive). Remind students



to use the sentence context and the meaning of each prefix for help. After students have worked together, ask volunteers to share their definitions and explanations for each of the words. As students offer different explanations, reinforce the concept of "lead" in their responses. **Note:** See "Definitions for Teachers" in the Vocabulary Definitions for Teachers folder on the Teacher Resource CD for more information

8. For further practice, use **Transparency** #22 to guide a discussion of the differences

between inductive and deductive reasoning.

about each of these words.



Differentiation Strategies

Above Level Support

Have students compile a list of duc, duct words introduced in this lesson. Ask them to sort the words into as many categories as possible. For example, students may choose to sort the words by part of speech, suffix, etc.

English Language Support

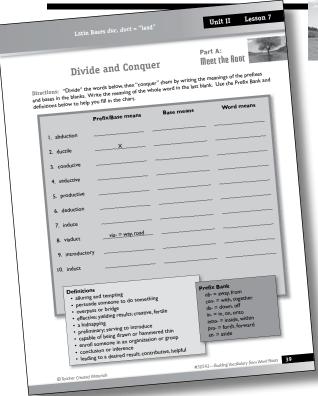
Find picture clues that may help support students in this lesson. For example, provide a picture of an aqueduct. This visual can provide a concrete example of the word and how it is used correctly in context.

Below Level Support

As a preteaching strategy, preview the words that students will see in this lesson. Create a list of any words that students may have trouble pronouncing. Read these words into a listening device and ask students to listen with headphones while reviewing the list in print. For example, you may choose to articulate the words aqueduct, conducive, abductors, and inductive.

Guided Practice Pages Parts A-E

Guide students through pages B53-B55 to complete the rest of this lesson. Read the directions at the top of each page and complete the activity together.





Part A: Meet the Root

Students "divide and conquer" a list of words by identifying the word roots. See *Guided Practice Book* page 39.

Answers

- away, from + lead = a kidnapping
- X + lead = capable of being drawn and hammered thin
- with, together + lead
 leading to a desired
 result; contributive,
 helpful
- aside + lead = alluring and tempting
- forth, forward + lead = effective; yielding results; creative, fertile

- down, off + lead = conclusion or inference
- in, on, onto + lead = persuade someone to do something
- 8. way, road + lead = overpass or bridge
- inside, within + lead = preliminary, serving to introduce
- in, on, onto + lead = enroll someone in an organization or group

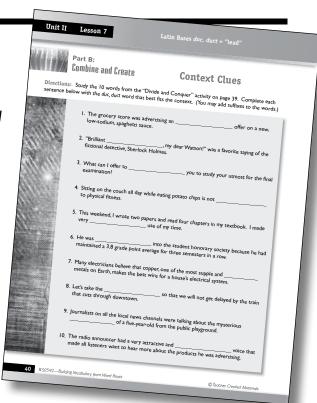


Part B: Combine and Create

Students complete sentences with the correct vocabulary words. See *Guided Practice Book* page 40.

Answers

- I. introductory
- 2. deduction
- 3. induce
- 4. conducive
- 5. productive
- 6. inducted
- 7. ductile
- 8. viaduct
- 9. abduction
- 10. seductive



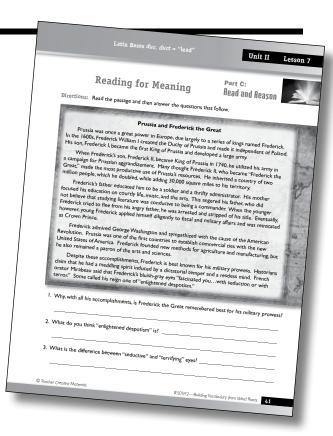


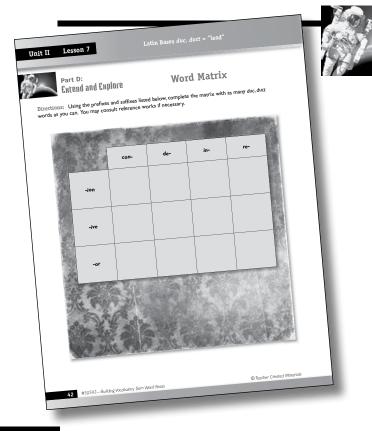
Part C: Read and Reason

Students read a passage and answer questions about the vocabulary. See *Guided Practice Book* page 41.

Answers

Answers will vary.



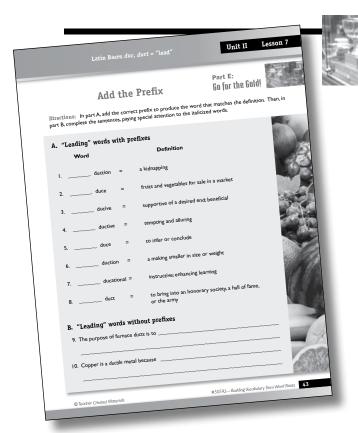


Part D: Extend and Explore

Students fill in the chart by creating words from the word parts provided. See *Guided Practice Book* page 42.

Answers

Answers will vary.



Part E: Go for the Gold!

Students add the correct prefix to produce the word that is defined. Then students complete sentences by paying special attention to the vocabulary words used. See *Guided Practice Book* page 43.

Answers

- I. abduction
- 2. produce
- 3. conducive
- 4. seductive
- 5. deduce
- 6. reduction
- 7. educational
- 8. induct
- 9. Answers will vary.
- 10. Answers will vary.

Divide and Conquer

Part A: Meet the Root



Directions: "Divide" the words below, then "conquer" them by writing the meanings of the prefixes and bases in the blanks. Write the meaning of the whole word in the last blank. Use the Prefix Bank and definitions below to help you fill in the chart.

	Prefix/Base means	Base means	Word means
1. abduction			
2. ductile	x		
3. conducive			
4. seductive			
5. productive			
6. deduction			
7. induce			
8. viaduct	via- = way, road		
9. introductory			
10. induct			
Definitions			
• alluring and		Prefix Bar	nk
	meone to do something	ab- = awa	•
• overpass or			th, together
	lding results; creative, fertile		· ·
• a kidnapping in- = in, on, onto			
			side, within
•	one in an organization or gr	P	rth, forward
conclusion of		se- – asid	
	desired result; contributive,	helpful	



Part B: Combine and Create

Context Clues

Directions: Study the 10 words from the "Divide and Conquer" activity on page 39. Complete each sentence below with the *duc*, *duct* word that best fits the context. (You may add suffixes to the words.)

	The grocery store was advertising an	offer on a new,
	low-sodium, spaghetti sauce.	
(五十八))	2. "Brilliant, my dear Watson!" was a	favorite saying of the
	fictional detective, Sherlock Holmes.	
1100000	3. What can I offer to you to study	your utmost for the final
A TENER	examination?	
	4. Sitting on the couch all day while eating potate chips is not	
	4. Sitting on the couch all day while eating potato chips is not	
	to physical fitness.	
	5. This weekend, I wrote two papers and read four chapters in	n my textbook. I made
WANTED THE STATE OF THE STATE O	very use of my time.	,
Contraction of the Contraction o	300 0004 4000	
	6. He was into the student honorary	y society because he had
	maintained a 3.8 grade point average for three semesters in	n a row.
	7. Many electricians believe that copper, one of the most supp	
	metals on Earth, makes the best wire for a house's electrica	al system.
	8. Let's take the so that we will not	get delayed by the train
	that cuts through downtown.	get delayed by the train
	that cuts through downtown.	
	9. Journalists on all the local news channels were talking abou	t the mysterious
	of a five-year-old from the public playg	-
	10. The radio announcer had a very attractive and	
	made all listeners want to hear more about the products h	e was advertising.
111111111111111111111111111111111111111		

Reading for Meaning

Part C: Read and Reason



Directions: Read the passage and then answer the questions that follow.

Prussia and Frederick the Great

Prussia was once a great power in Europe, due largely to a series of kings named Frederick. In the 1600s, Frederick William I created the Duchy of Prussia and made it independent of Poland. His son, Frederick I, became the first King of Prussia and developed a large army.

When Frederick's son, Frederick II, became King of Prussia in 1740, he utilized his army in a campaign for Prussian aggrandizement. Many thought Frederick II, who became "Frederick the Great," made the most productive use of Prussia's resources. He inherited a country of two million people, which he doubled, while adding 30,000 square miles to his territory.

Frederick's father educated him to be a soldier and a thrifty administrator. His mother focused his education on courtly life, music, and the arts. This angered his father, who did not believe that studying literature was conducive to being a commander. When the younger Frederick tried to flee from his angry father, he was arrested and stripped of his title. Eventually, however, young Frederick applied himself diligently to fiscal and military affairs and was reinstated as Crown Prince.

Frederick admired George Washington and sympathized with the cause of the American Revolution. Prussia was one of the first countries to establish commercial ties with the new United States of America. Frederick founded new methods for agriculture and manufacturing, but he also remained a patron of the arts and sciences.

Despite these accomplishments, Frederick is best known for his military prowess. Historians claim that he had a meddling spirit induced by a dictatorial temper and a restless mind. French orator Mirabeau said that Frederick's bluish-gray eyes "fascinated you...with seduction or with terror." Some called his reign one of "enlightened despotism."

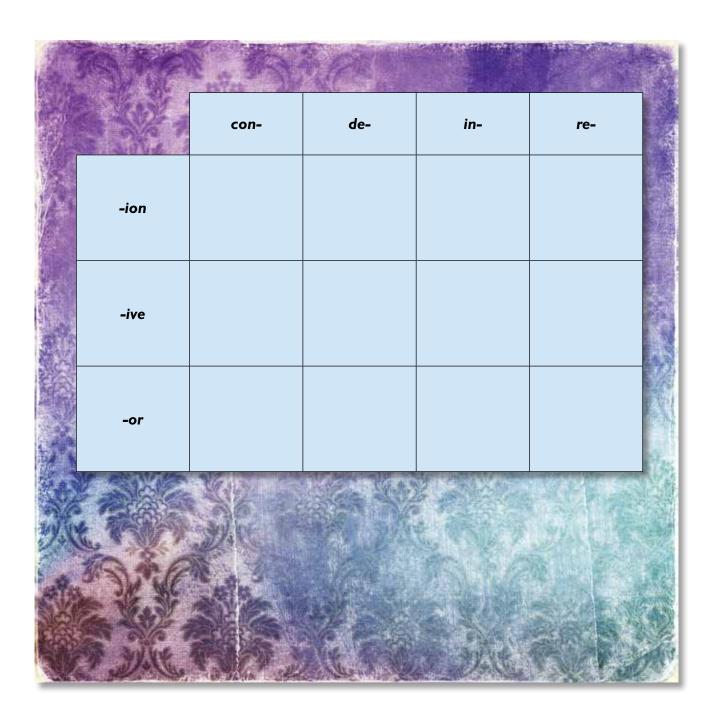
١.	Why, with all his accomplishments, is Frederick the Great remembered best for his military prowess
2.	What do you think "enlightened despotism" is?
3.	What is the difference between "seductive" and "terrifying" eyes?



Part D: Extend and Explore

Word Matrix

Directions: Using the prefixes and suffixes listed below, complete the matrix with as many *duc*, *duct* words as you can. You may consult reference works if necessary.



Add the Prefix

Part E: Go for the Gold!



Directions: In part A, add the correct prefix to produce the word that matches the definition. Then, in part B, complete the sentences, paying special attention to the italicized words.

A.	. "Leading" words with prefixes				
	Word			Definition	
۱.		duction	=	a kidnapping	
2.		duce	=	fruits and vegetables for sale in a market	
3.		ducive	=	supportive of a desired end; beneficial	
4.		ductive	=	tempting and alluring	
5.		duce	=	to infer or conclude	
6.		duction	=	a making smaller in size or weight	
7.		ducational	=	instructive; enhancing learning	
8.		duct	=	to bring into an honorary society, a hall of fame, or the army	
В.	B. "Leading" words without prefixes				
9.	. The purpose of furnace ducts is to				
10.	Copper is a	ductile meta	ıl because	e	

