

## CD Materials and Preparation

## Optional pages:

- List 19 Spelling Words and List 19 Review
- Alternate Final Test List 19

## Day 1

- Word Sort List 19
- *Greek Word Parts*

## Day 1

## A Closer Look

- ▶ The words of Greek origin used in this lesson are combined from Greek word elements. Sources vary in the terminology used to describe these elements. The term *word parts* will be used in this lesson.
- ▶ Dictionaries show these alternate spellings: *catalog, catalogue; archaeology, archeology*.

Greek Word Parts *dia; geo; gram; log, logue;logy, ology*

- ▶ Display *Greek Word Parts*. Point out the list of Greek word parts and their meanings. Point out that some word parts have more than one English spelling.
- ▶ Reveal part A. Read the words together.
- ▶ Remind the students that although the meaning of some words remains similar to the original meaning, others do not.
- ▶ Call attention to the words *diameter* and *diagram*.  
What does the Greek word part *dia* mean? *across, through*  
What does the Greek word part *gram* mean? *something written or drawn; letter*  
Which word means “a drawing or plan that shows the parts of something or explains how something works”? *diagram*  
Which word means “a measure across”? *diameter*
- ▶ Draw attention to *geothermal*.  
What does the Greek word part *geo* mean? *earth*  
*Thermal* means “heat,” and *geothermal* means “of or relating to the heat of the earth’s interior.”  
Elicit from the students that knowing the meaning of a Greek word part can help them understand many other words that have the same word part.
- ▶ Reveal part B. Read the words together.  
What do the Greek word parts *log* and *logue* mean? *word, speak, or reason*

## Pattern Words

diagram  
geology  
monogram  
diameter  
theology  
geometry  
catalog  
diagnosis  
technology  
geothermal  
diagonal  
meteorology  
dialect  
logic  
diatom  
geode  
epilogue  
diaphragm  
archaeology  
dialogue

## Review Words

nautical  
aerobics  
astronomy  
hydroelectric  
atmosphere

## Greek Word Parts

Word part	Meaning	Word part	Meaning
<i>dia</i>	across, through	<i>log, logue</i>	word, speak, reason
<i>geo</i>	earth	<i>logy, ology</i>	study or science of
<i>gram</i>	something written or drawn; letter		

## Word Sort

Sort each Pattern Word by its corresponding Greek word part. Three words will be sorted under two headings.

<i>dia</i>	<i>log, logue</i>
<i>diagram</i>	<i>catalog</i>
<i>diameter</i>	<i>logic</i>
<i>diagnosis</i>	<i>epilogue</i>
<i>diagonal</i>	<i>dialogue</i>
<i>dialect</i>	<i>logy, ology</i>
<i>diatom</i>	<i>geology</i>
<i>diaphragm</i>	<i>theology</i>
<i>dialogue</i>	<i>technology</i>
<i>geo</i>	<i>meteorology</i>
<i>geology</i>	<i>archaeology</i>
<i>geometry</i>	
<i>geothermal</i>	
<i>geode</i>	
<i>gram</i>	
<i>diagram</i>	
<i>monogram</i>	



monogram

- ▶ Explain to the students that *logic* has to do with reasoning or thinking. *Dialogue* uses the meaning “speak.” Consider the meaning of the word part *dia*. Is a dialogue one person speaking or is it a conversation between two or more people? *a conversation*
- ▶ Call attention to *theology* and *meteorology*.  
Which word part do these words share? *ology* What is its meaning? *study or science of*  
The Greek word *theos* means “God.” What do you think *theology* means? *the study of God; studying about God*  
*Meteorology* is the study of the atmosphere, especially weather.

## Word Sort

- ▶ Instruct the students to turn to Worktext page 74.
- ▶ Display Word Sort List 19. Explain the Word Sort activity and discuss sorting each Pattern Word by one of its Greek word parts. Three words will be sorted under two headings.
- ▶ Choose a student to read the first word.  
Which word parts of *diagram* are headings on this Word Sort? *dia* and *gram*

## Word Study

Write the Pattern Word that matches the meanings of the two word parts.

1. "earth" + "study of" geology
2. "across" + "word, speak" dialogue
3. "across" + "something written or drawn" diagram

geothermal energy

Write the Pattern Word that completes each sentence. Refer to the clues in parentheses.

4. Hot springs and geysers are a source of geothermal energy. ("earth" + "heat")
5. Did you measure the diameter of the circle? ("across" + "measurement")
6. Mom showed me the dinner napkins with our family monogram stitched in the corner. ("one" + "something written or drawn")
7. You may draw a vertical, horizontal, or diagonal line. ("across" + "angle")
8. Uncle Ben is studying theology as he prepares to be a pastor. ("God" + "study of")

Write the Pattern Word that matches each meaning.

- |                    |   |
|--------------------|---|
| <u>epilogue</u>    | 9. a final section of a literary work that often comments on the future of a story's characters |
| <u>archaeology</u> | 10. the scientific study of ancient societies and their way of life                             |
| <u>logic</u>       | 11. clear thinking or reasoning   |
| <u>geode</u>       | 12. a hollow rock lined with crystals on the inside wall  |
| <u>diaphragm</u>   | 13. a wall of muscle that separates the chest from the abdomen                                  |
| <u>dialect</u>     | 14. a variation in the pronunciation, meaning, or grammar of a language                         |
| <u>meteorology</u> | 15. the science that deals with the atmosphere, especially with weather                         |
| <u>diagnosis</u>   | 16. the act or process of finding the cause of a disease or injury                              |
| <u>geometry</u>    | 17. the study of mathematics that includes the measurement of lines, angles, and plane figures  |
| <u>catalog</u>     | 18. a list of courses or items for display or sale with a description of each item              |
| <u>technology</u>  | 19. the use of scientific knowledge in industry and commerce                                    |
| <u>diatom</u>      | 20. any of various microscopic single-celled or colonial algae                                  |

## Spelling 6

List 19 • 75

## Day 2

## Word Study and Word Meaning

- ▶ Direct the students to refer to the word parts and their meanings on page 74.
- ▶ Write *meteorology* for display.  
How can we change the word *meteorology* to spell *archaeology*? Replace the letters *meteor* with *archae*.
- ▶ Invite a student to write for display each new word as it is discussed.
- ▶ Draw attention to the long *e* sound spelled *ae*.  
What is the meaning of *ology*? study or science of  
Archaeology is the scientific study of ancient cultures and the way of life and customs of their people.
- ▶ Write *diatom* for display.  
How would we change *diatom* to *diagonal*? Remove the letters *tom* and add *gonal*.  
What is the meaning of the word part *dia*? across, through  
What is the meaning of *diagonal*? Possible answer: slanting downward from one corner across to another
- ▶ Complete page 75.

## Review Words

- ▶ Invite a student to write *nautical*, *aerobics*, *astronomy*, *hydroelectric*, and *atmosphere* for display.
- ▶ Select another student to read the words aloud.  
Which word part means "star; pertaining to outer space"? *astr*
- ▶ Choose a student to underline each word part as it is discussed.  
Which word part means "water"? *hydr*
- ▶ Follow a similar procedure as you elicit from the students the word parts that mean "sailor or ship," "air," and "ball or sphere."

Under which headings would we write this word? under the *dia* heading and the *gram* heading

- ▶ Direct the students to write *diagram* under both of the correct headings as you write for display.
- ▶ Follow the same procedure with each word as you complete the Word Sort.

## Pretest

- ▶ Follow the procedure for administering an optional self-assessment (page 7). The pretest may be administered before or after teaching this lesson.
- |          |           |             |
|----------|-----------|-------------|
| geology  | catalog   | diagonal    |
| diagram  | geometry  | meteorology |
| monogram | diagnosis | technology  |
| diameter | theology  | geothermal  |

## Differentiated Instruction

## Day 3

## Practice Test

- Administer the practice test. Pronounce each word, use it in a sentence, and then repeat the word.

1. diagonal I cut a piece of paper on a **diagonal** line to make two triangles.
2. catalog Mom ordered several Christian books from the online **catalog**.
3. geology When we studied **geology**, we learned how diamonds are formed.
4. meteorology **Meteorology** deals with weather conditions in the atmosphere.
5. diameter The measure of the **diameter** of a circle is twice the length of the radius.
6. diagnosis The doctor confirmed his **diagnosis** after the lab test.
7. geometry In the **geometry** chapter we learned several formulas for finding volume.
8. diagram Were you able to label the parts of a flower on the **diagram**?
9. geothermal **Geothermal** energy is used to heat and cool homes.
10. monogram Seth's baseball cap has the **monogram** of his favorite team.
11. technology Dad saw the latest electronic devices at the **technology** expo.
12. theology My cousin Nolan is studying **theology** at Bob Jones University.
13. diaphragm The **diaphragm** is a strong, curved muscle that helps us breathe.
14. archaeology Scientists use **archaeology** to study ancient people and their customs.
15. diatom A **diatom** is algae that is found in saltwater and freshwater.
16. epilogue The author wrote an **epilogue** at the end of the story.
17. dialect People from certain areas of the country speak with a distinct **dialect**.
18. geode The **geode** was cut open to reveal the crystals inside.
19. dialogue We took turns reading the **dialogue** in the story.
20. logic It is necessary to use **logic** to win a game of chess.
21. aerobics Aunt Lily does **aerobics** as part of her fitness program.

## Proofreading

Olivia wrote a report about marine geology.

Circle each misspelled word. Write the word correctly.

Before the use of advanced tecknology people knew little about the geeology of the sea floor. Did you know that trenches, mountains, and volcanoes are found at the bottom of the ocean? The floor of the Pacific Ocean includes the Mariana Trench. At one point it is the deepest place on earth! Earth's longest mountain range, the Mid-Ocean Ridge system, is beneath the sea.

Sonar is used in oceanograpfy to find an underwater volcano. When a volcano erupts, it leaves rocky shapes on the seabed. Sonar helps an oceanographer eksplore the bottom of the sea. He uses computer software to make a 3-D diegram of underwater forms. Then he is able to catolog the changes to the ocean floor.

technology

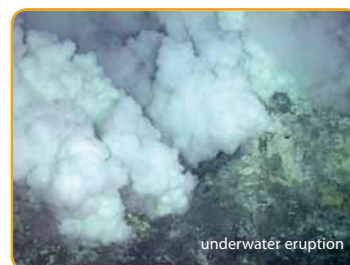
geology

oceanography

explore

diagram

catalog



underwater eruption

## Word Study

Write the Review Word that completes each sentence.

Hydroelectric

1. \_\_\_\_ power plants may use water from dams or waterfalls to generate electricity.

nautical

2. Ships measure distance in \_\_\_\_ miles.

atmosphere

3. Meteors glow briefly as they pass through the layers of Earth's \_\_\_\_.

aerobics

4. A good \_\_\_\_ program is designed to improve the body's use of oxygen.

astronomy

5. Since I enjoy studying the sun and planets, I checked out several books on \_\_\_\_.

diagram  
geology  
monogram  
diameter  
theology  
geometry  
catalog  
diagnosis  
technology  
geothermal  
diagonal  
meteorology  
dialect  
logic  
diatom  
geode  
epilogue  
diaphragm  
archaeology  
dialogue  
nautical  
aerobics  
astronomy  
hydroelectric  
atmosphere

22. hydroelectric The force of flowing water is used to create **hydroelectric** energy.
23. nautical My grandparents' beach house is decorated with a **nautical** theme.
24. astronomy We learned interesting facts about **astronomy** at the observatory.
25. atmosphere The earth's **atmosphere** blocks some of the sun's harmful rays.

- Follow the procedure for dictating a sentence (page 4).  
The diameter of the geode measured six inches.

## Proofreading

- Direct the students to turn to Worktext page 76.  
► Ask a student to read the introduction.

What does the word *geology* mean? *the study of the earth*

The word *marine* refers to things related to the sea. Olivia learned how modern technology has improved the study of marine geology.

- Complete the page.

Suggestions for guiding students in proofreading are available in the Appendix.

## Dictionary Skills

## Etymology

Use the Spelling Dictionary to complete each answer.

1. Locate the entry word *diagnosis*. Write the meaning for the Greek root *diagnōsis*. discernment, able to distinguish
2. The Greek word part *dia* can mean “across,” “between,” “over,” or “through.” Write eight Pattern Words that include this word part. diagnosis, diagonal, diagram, dialect, dialogue, diameter, diaphragm, diatom
3. Locate the entry word *diagonal*. The English word *diagonal* comes from the Latin *diagōnālis, diagōnus*, which came from the Greek *diagōnios*, which means from angle to angle, *dia*, which means across + *gōniā*, which means angle, corner
4. Locate the entry word *archaeology*. Write the meaning of the Greek word parts *archaeo* and *logy*. ancient, study of
5. Write a sentence explaining the relationship between the original meaning and our present-day meaning of *archaeology*. Possible answer: The present-day meaning uses the meaning of the two word parts.
6. Locate the entry word *theology*. Write the meaning of the Middle English root *theologie*. a treatment of Christian doctrine

## Parts of Speech

Locate the entry for each underlined word. Write the part of speech that matches the way the word is used in the sentence.

- |  | Part of speech |
|--|----------------|
| 7. Mom <u>diagrammed</u> the layout of the backyard indicating where she wants to plant the flowers and shrubbery. | <u>verb</u>    |
| 8. I was able to identify the owner of the jacket by the initials of the <u>monogram</u> .                         | <u>noun</u>    |
| 9. We scanned the list for interesting items that were <u>cataloged</u> for the estate sale.                       | <u>verb</u>    |

archaeological site at Petra



Spelling 6

List 19 • 77

## List 19 Review

## Day 4

## Review

- ▶ Select a review activity from the Activities and Games section of the Teacher's Toolkit CD to reinforce this week's spelling skills.

## Dictionary Skills

- ▶ Direct the students to locate the entry for the word *geology* in the Spelling Dictionary. Ask the students to read the entry silently.
- ▶ Draw attention to the word origin.  
Some dictionary entries give the history of a word by showing the steps the word has taken from the most recent language back to the earliest language. This is the etymology of a word.
- ▶ Read the word origin section of the entry aloud.

This entry shows the changes to our modern English word *geology*. The history of the word begins with the most recent language and word and moves to the earliest language and word.

What types of information are found in the word origin section of the entry for *geology*? original languages the word came from, original word roots or word parts and their meaning

What is the most recent language for the entry word *geology*? Latin

How is the Latin meaning related to our current definition? Possible answer: Both meanings refer to studying the earth.

What is the original language for *geology*? Greek

What are the meanings of the Greek word parts *geo* and *logy*? “earth” and “study of”

- ▶ Direct the students to locate the entry for the word *diagram*. Draw attention to the word origin.

What languages are given for the origin of the word *diagram*? Latin and Greek

What is the meaning of the Latin word? figure

Is the original meaning related to how we use the word *diagram* today? yes How is the meaning related? Possible answer: A diagram may be or include a figure.

- ▶ Complete page 77.

## Day 5

## Final Test

- ▶ Administer the final test. Pronounce each word, use it in a sentence, and then repeat the word.
- ▶ Follow the procedure for sentence dictation.
  1. Technology is used to catalog each discovery in archaeology.
  2. The diagram helped me understand the geometry problem.