

# Table of Contents

<b>Introduction</b> .....	3
Practice Reading Passage: Geothermal Power .....	7
Practice Comprehension Questions .....	8
<b>Common Core State Standards Correlation</b> .....	9
<b>Reading Levels Chart</b> .....	10
<b>Science Passages</b>	
<b>Unit 1:</b> Stargazers .....	11
<b>Unit 2:</b> Margaret Mead, Anthropologist .....	14
<b>Unit 3:</b> Similar Evolution: Zebras and Guinea Pigs .....	17
<b>Unit 4:</b> Secrets Hamper Science .....	20
<b>Unit 5:</b> The U.S. Army Corps of Engineers .....	23
<b>Geography Passages</b>	
<b>Unit 6:</b> Economies Are Connected .....	26
<b>Unit 7:</b> Saving Earth One Bag at a Time .....	29
<b>Unit 8:</b> Humans Versus Natural Disasters .....	32
<b>Unit 9:</b> That’s Not Just Sunshine—It’s Energy! .....	35
<b>Unit 10:</b> Is Earth Overpopulated? .....	38
<b>World and U.S. History Passages</b>	
<b>Unit 11:</b> Ancient Chinese Inventions .....	41
<b>Unit 12:</b> The Seven Wonders of the Ancient World .....	44
<b>Unit 13:</b> Germany and World War I .....	47
<b>Unit 14:</b> The Curse of the Bambino .....	50
<b>Unit 15:</b> Barack Obama, 44th President of the United States .....	53
<b>Language Arts Passages</b>	
<b>Unit 16:</b> Robots (Encyclopedia Entry) .....	56
<b>Unit 17:</b> Paul Newman (Web Page) .....	59
<b>Unit 18:</b> Visit the Bizarre Winchester Mansion (Tour Book Page) .....	62
<b>Unit 19:</b> Viz-a-Phone (Public Service Advertisement) .....	65
<b>Unit 20:</b> Native American Unsolved Mysteries (Back of Book) .....	68
<b>Answer Sheet</b> .....	71
<b>Comprehension Questions and Answers</b> .....	72
<b>Master Answer Key</b> .....	112

# Introduction

If you are like most teachers, your classroom includes a wide variety of scholars: average students, English language learners, gifted students, and learning disabled students. You may be expected to get your diverse student population, including special education students and those for whom English is a second language, to master grade-level, content-area material. That's a challenging task and one that requires grade-level, content-area materials written at several levels. The *Differentiated Nonfiction Reading* kit was designed with that in mind.

Each unit in the *Differentiated Nonfiction Reading* kit covers a grade-level appropriate curriculum topic in science, geography, history, or language arts. One set of comprehension questions and answers is provided (in the back of the Teacher Resource Book) for each unit. This enables your students to access the text and concepts at their instructional—rather than frustration—level, while requiring them to meet objective standards, just as they must do on standardized assessments.

This kit contains 20 units, each with four sets of cards written at three different levels (240 cards), and a Teacher Resource Book which includes a Comprehension Questions page for each unit and a corresponding page with the answers. Students can fill in the answers on the unit question page or fill in the standard bubble Answer Sheet provided on page 71. A one-page Master Answer Key for all units is also provided on page 112. The kit's accompanying CD includes an Enhanced Teacher Resource eBook and the Common Core State Standards.

## Prepare Your Students to Read Content-Area Text

Each day you can prepare your students to read the passages in the *Differentiated Nonfiction Reading* kit by reading aloud a short nonfiction selection from another source. Reading content-area text aloud is critical to developing your students' ability to read it themselves.




Discussing content-area concepts with your class is also very important. Remember, however, that discussion can never replace reading aloud since people do not speak using the vocabulary and complex sentence structures of written language.

## Readability

All of the passages in the *Differentiated Nonfiction Reading* kit have a reading level that has been calculated by the Flesch-Kincaid Readability Formula. This formula, built into Microsoft Word®, determines a text's readability by calculating the number of words, syllables, and sentences.

Each passage is presented at three levels: easy, average, and challenging. *Easy* is below grade level; *average* is at grade level; and *challenging* is above grade level. The chart on page 10 shows you the specific reading levels of every passage.

To ensure that only you know the reading level at which each student is working, the levels are not printed on the passages. Instead, at the top of the card is a pair of books with a specific pattern that will allow you to quickly match students and passages.

<b>Reading Level</b>	 <b>Easy</b> (below grade level)	 <b>Average</b> (at grade level)	 <b>Challenging</b> (above grade level)
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# Introduction (cont.)

## Essential Comprehension Skills

Comprehension is the primary goal of any reading task. The *Differentiated Nonfiction Reading* kit will help your students build a foundation for comprehension skills necessary for a lifetime of learning.

The passage questions and answers can be found in this Teacher Resource Book or in the Enhanced eBook. Run off copies for each student or use the E-copies on an interactive white board or computer. The questions following each passage always appear in the same order and cover six vital comprehension skills:

1. **Locating facts**—Questions based on exactly what the text states—who, what, when, where, why, and how many
2. **Understanding vocabulary in context**—Questions based on the ability to infer word meaning from the syntax and semantics of the surrounding text, as well as the ability to recognize known synonyms and antonyms for a newly encountered word
3. **Determining sequence**—Questions based on chronological order—what happened first, last, and in between
4. **Identifying conditions**—Questions that ask students to identify similarities and differences or notice cause-and-effect relationships
5. **Making inferences**—Questions that require students to evaluate, make decisions, and draw logical conclusions
6. **Analyzing and visualizing**—Questions that make students draw upon their schema and/or visualization skills to select the correct response (Visualization reinforces the important skill of picturing the text.)

## How to Use the Unit Cards and the Teacher Resource Book

You can choose to do whole class, small group, or independent practice:

**Whole Group**—For whole-group practice, you can do the following:

1. Distribute the cards (or copies) based on students' instructional reading levels.
2. Have students read the text silently and answer the questions either on the Unit Comprehension Questions page or on the Answer Sheet on page 71.
3. Collect all of the papers and score them.
4. Return the comprehension questions pages or answer sheets to the students and discuss how they determined their answers.
5. Point out how students had to use their background knowledge to answer certain questions.

You may distribute the passages without revealing the different levels. If you do not want your students to be aware that the passages are differentiated, organize the passages in small piles by seating arrangement. Then, when you approach a group of desks, you'll have the levels you need. An alternative is to make a pile of passages from diamonds to polka dots. Put a finger between the top two levels. Then, as you approach each student, pull the passage from the top (easy), middle (average), or bottom (challenging) layer. Do this quickly and without much hesitation.

Unit 18 Reading Passage—Language Arts  
Tour Book Page

### Visit the Bizarre Winchester Mansion

San Jose, California

William Winchester was the inventor of the Winchester repeating rifle. When he died in 1881, he left his wife Sarah a lot of money. She held a séance in order to speak to her dead husband. Instead, she heard spirits. They told her that she must move to the West and build a new home. They said she must work steadily to repay her house. If she stopped, she would die. For the next thirty-eight years, she hired laborers. They worked twenty-four hours a day to make the most **convoluted** and strange house on Earth. Work ended the day after she died.


During her lifetime, Mrs. Winchester would not let anyone inside. She even refused President Theodore Roosevelt. Now, you can be one of the few to tour this amazing house.

**Open at 9 a.m., 364 Days a Year; Closed Christmas Day**

Tour Type	Adults (15-64)	Seniors (65+)	Children (6-14)
Grand Tour (includes mansion, attic, and basement)	\$31	\$28	\$28 Children (10-14) Our insurance prohibits children under ten from this tour.
Mansion Only Tour	\$26	\$23	\$20 Children under five free with adult admission

**The Winchester House by the Numbers**

- Stories:** 7 prior to the 1906 earthquake; now 4
- Rooms:** 160 prior to 1906 earthquake; now 160
- Bedrooms:** 60
- Bathrooms:** 6 (one complete and one was under construction)
- Staircases:** 60
- Doors:** 100 (not including cabinet doors)
- Stairlifts:** 2
- Paint:** 40 (one week of nonstop painting)
- Expense:** \$1 million
- Volume of paint required to paint exterior:** Over 100,000 gallons (4,167 liters)
- Construction dates:** 1884 until September 5, 1922
- Total cost:** \$5.5 million



#51216G Differentiated Nonfiction Reading 62 ©Blue Star Education

# Introduction *(cont.)*

## How to Use the Unit Cards and the Teacher Resource Book *(cont.)*

You can also announce to your class that all students will read at their own instructional levels. Do not discuss the technicalities of how the reading levels were determined. Just state that every person is reading at his or her own level and then answering the same comprehension questions. If you find that a student is doing well, try giving him or her a higher-level passage the next time. If he or she displays frustration, be ready to slip the student the lower-level passage. Remember, the cards look very similar and all three have the same photographs or illustrations.

**Working in Centers and Independently**—If you prefer to have the students work independently or in centers, try this procedure:

1. Create a folder for each student.
2. Make photocopies of the Answer Sheet for each class member and staple it to the back of each student folder. Replace as needed.
3. Each time you want to use a passage, place a unit card for the appropriate reading level and the related Comprehension Questions page in each student’s folder.
4. Have each student retrieve his or her folder, read the passage, and answer the questions on the questions page or on the Answer Sheet.
5. Go over the answers together, or check the students’ folders at a convenient time.
6. You may wish to provide a laminated copy of the Master Answer Key in the center, allowing students to check their own responses.

## Teaching Multiple-Choice Response

It’s a good idea to practice as a class how to read a passage and respond to the comprehension questions. In this way, you can demonstrate your own thought processes by “thinking aloud” to figure out each answer. Essentially, this means that you tell your students your thoughts as they come to you.

Make copies of the practice comprehension questions on page 8 and distribute them to your class. Then, display the practice reading passage on page 7. You may wish to use the Enhanced eBook to show it to the class on an interactive board. Or, you might use a document camera or an overhead transparency to show the page. Read the passage chorally. Studies have found that students of all ages enjoy choral reading, and it is especially helpful for English language learners. Choral reading lets students practice reading fluently in a safe venue because they can read in a whisper or even drop out if they feel the need.

Remember to demonstrate how to “darken” the answer bubbles on the question page or answer sheet. It is important that students learn to clearly mark their answers.

**Discuss Question 1:** After you’ve read the passage together, ask a student to read the first question aloud. Tell the student NOT to answer the question. Instead, read all of the answer choices aloud. Emphasize that reading the choices first is always the best way to approach any multiple-choice question. Since this question is about *locating facts*, reread the first paragraph of the passage aloud as the class follows along. Have the students reread the question silently and make a selection based on the information found. Ask a student who gives the correct response (C) to explain his or her reasoning. Explain that the first question is always the easiest because the fact is stated right in the passage.

# Introduction *(cont.)*

## Teaching Multiple-Choice Response *(cont.)*

**Discuss Question 2:** The second question is about the vocabulary word shown in boldfaced print in the passage. Ask the student to read the question aloud. Teach your students to reread the sentence before, the sentence with, and the sentence after the vocabulary word in the passage. This will give them a context and help them to figure out what the word means. Then, have them substitute the word choices given for the vocabulary term in the passage. For each choice, they should reread the sentence with the substituted word and ask themselves, “Does this make sense?” This will help them to identify the best choice. One by one, substitute the words into the sentence, and read the sentence aloud. It will be obvious which one makes the most sense (A).

**Discuss Question 3:** The third question asks about *sequence*. Ask a student to read the question aloud. Write the choices on chart paper or the board. As a class, determine their order of occurrence, and write the numbers one through four next to them. Then, reread the question and make the correct choice (B).

**Discuss Question 4:** The fourth question is about *cause and effect* or *similarities and differences*. Ask a student to read the question aloud. Teach your students to look for the key words in the question (“*pump water down*”) and search for those specific words in the passage. Explain that they may need to look for synonyms for the key words. For this question, ask your students to show where they found the correct response in the passage. Have students explain in their own words how they figured out the correct answer (D). This may be time-consuming at first, but it is an excellent way to help your students learn from each other.

**Discuss Question 5:** The fifth question asks students to make an *inference*. Ask a student to read the question aloud. Tell your students your thoughts as they occur to you, such as: “Well, the article didn’t say that it is free to generate geothermal power, so that one’s questionable. The article did say that geothermal energy comes from Earth, not from the sun, air, and water. So I’ll get rid of that choice. We do have a lot of water, and in most places, that’s what is forced down into Earth to make the steam. But you need to have a place where Earth is really hot near its surface, so it’s not just a matter of having a water supply. I don’t think that’s the best choice here. Let’s look back at the passage... it does state that there’s an endless amount of heat rising from Earth, and we know that fossil fuels will soon be used up. Something that is endless cannot be used up, so I am going to choose (D).”

**Discuss Question 6:** The sixth question calls for *analysis* or *visualization*. With such questions, some of the answers may be stated in the passage, but others may have different wording. Sometimes one or more of the answers must be visualized to ascertain the correct response.

After having a student read the question aloud, you can say, “This one is tricky. It’s asking me to choose one that isn’t instead of one that is. First, let’s look at all the choices. Then, we can ask ourselves which ones are problems with geothermal power. Only one of these is not an issue.” Then, read the answer choices aloud and eliminate them one by one. Point out that the passage states that geothermal energy does not pollute groundwater, which is how you identify the correct answer (C).

## Frequent Practice Is Ideal

The passages and comprehension questions in *Differentiated Nonfiction Reading* are time-efficient, allowing students to practice these skills often. The more students practice reading and responding to content-area comprehension questions, the more confident and competent they will become. Set aside time to allow your class to do every passage. If you do so, you’ll be pleased with your students’ improved comprehension of any nonfiction text, both within your classroom and beyond its walls.



# Geothermal Power

Our Earth has a layer of hot rock below its crust in an area called the mantle. Where groundwater touches these hot rocks, it changes into steam. This steam enables people to make electricity without causing pollution. It's called geothermal power. *Geo* means Earth, and *thermal* means heat.

Italians built the first geothermal power station in 1904. They found a place where steam rose from the ground. They trapped the steam and sent it through pipes to turbines. Turbines are big and round and can spin very quickly. The steam made the turbines turn, which **generated** electrical power.

In most places, steam does not come up on its own. Instead, power stations pump water down to the mantle. Some of this water returns as steam to make turbines rotate and create electricity.

Geothermal energy is good for Earth and its wildlife. It does not damage the air, water, or soil. However, the steam can bring up minerals that harm the turbines. Also, workers must be careful around the steam, or they could get burned.

Someday all of the fossil fuels will be used up. Geothermal power can never get used up. That's why people hope to find more places and better ways to use geothermal power.





# Geothermal Power

**Directions: Darken the best answer choice.**

1. “Geothermal” means \_\_\_\_\_ from Earth.
  - (A) steam
  - (B) energy
  - (C) heat
  - (D) water

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2. The word **generated** means
  - (A) made.
  - (B) used.
  - (C) opened.
  - (D) wasted.

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3. Of the following choices, which occurs last in this passage?
  - (A) Steam moves turbines.
  - (B) Electricity goes to homes.
  - (C) Steam is trapped in pipes.
  - (D) Electrical power is made.

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4. Why would people pump water down to a layer of hot rock?
  - (A) to cool Earth’s mantle
  - (B) to prevent steam from escaping
  - (C) to bring minerals to Earth’s surface
  - (D) to create steam

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5. Why can’t geothermal power get used up as fossil fuels can?
  - (A) It costs nothing to generate geothermal power.
  - (B) Scientists know how to make geothermal energy from the sun, air, and water.
  - (C) We have a huge supply of water, which is what gives us geothermal power.
  - (D) There’s an endless supply of heat coming from within Earth.

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6. Which is *not* a problem related to geothermal power?
  - (A) Minerals can build up on the turbines.
  - (B) There are just a few places to tap the power.
  - (C) It causes salt to build up and damage the groundwater.
  - (D) The steam is dangerous if it comes in contact with workers.

# Common Core State Standards Correlation

Each passage and question in *Differentiated Nonfiction Reading* meets one or more of the following Common Core State Standards. © Copyright 2010 National Governors Association Center for Best Practices and Council of Chief State School Officers. All rights reserved.

Informational Text Standards	Passage Title	Pages
<b>Key Ideas and Details</b>		
<b>Standard 1:</b> RI.6.1. Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.	all passages	
<b>Standard 2:</b> RI.6.2. Determine a central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.	Is Earth Overpopulated? Germany and World War I The Curse of the Bambino Barack Obama, 44th President of the United States	38–40, 90 47–49, 96 50–52, 98 53–55, 100
<b>Standard 3:</b> RI.6.3. Analyze in detail how a key individual, event, or idea is introduced, illustrated, and elaborated in a text (e.g., through examples or anecdotes).	Similar Evolution: Zebras and Guinea Pigs Secrets Hamper Science Economies Are Connected Saving Earth One Bag at a Time Humans Versus Natural Disasters The Seven Wonders of the Ancient World The Curse of the Bambino	17–19, 76 20–22, 78 26–28, 82 29–31, 84 32–34, 86 44–46, 94 50–52, 98
<b>Craft and Structure</b>		
<b>Standard 4:</b> RI.6.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings.	all passages	
<b>Standard 5:</b> RI.6.5. Analyze how a particular sentence, paragraph, chapter, or section fits into the overall structure of a text and contributes to the development of the ideas.	Secrets Hamper Science Saving Earth One Bag at a Time Germany and World War I Native American Unsolved Mysteries	20–22, 78 29–31, 84 47–49, 96 68–70, 110
<b>Standard 6:</b> RI.6.6. Determine an author’s point of view or purpose in a text and explain how it is conveyed in the text.	The Curse of the Bambino	50–52, 98
<b>Integration of Knowledge and Ideas</b>		
<b>Standard 7:</b> RI.6.7. Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.	Robots Paul Newman Viz-a-Phone	56–58, 102 59–61, 104 65–67, 108
<b>Standard 8:</b> RI.6.8. Trace and evaluate the argument and specific claims in a text, distinguishing claims that are supported by reasons and evidence from claims that are not.	The Curse of the Bambino	50–52, 98
<b>Range of Reading and Level of Text Complexity</b>		
<b>Standard 10:</b> RI.6.10. By the end of the year, read and comprehend literary nonfiction in the grades 6–8 text complexity band proficiently, with scaffolding as needed at the high end of the range.	all passages	