

21st

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READING FUTURE

CREATE

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Scope & Sequence

Subject	Unit	Title	Word Count	Reading Skill	Vocabulary Skill
HISTORY	1	Heritage Sites in Satellite Images	214	Main Idea & Details	normal magical -al natural musical
	2	Things that Science Has Not Explained	209	Main Idea & Details	achievement excitement -ment monument agreement
	3	An Ancient Game	200	Main Idea & Details	few
	4	The Dead Sea Scrolls	203	Sequencing	anything someone -thing, -one anyone something
GEOGRAPHY	5	Rising Sea Levels	201	Main Idea & Details	due to
	6	A "Must See" of India	213	Main Idea & Details	of at with to on prepositions
	7	The Amazon	196	Main Idea & Details	fish sheep moose salmon same singular and plural form
	8	The Kingdom of Bhutan	199	Summarizing	one of + plural nouns
SCIENCE	9	Weather Control	200	Problem & Solution	rain-free pain-free -free sugar-free hands-free
	10	The Water Cycle	206	Sequencing	as ~ as
	11	Weird Weather!	194	Cause & Effect	had better
	12	The Blue Sky	202	Cause & Effect	stop/prevent A(object) from B(v+ing)
LANGUAGE ARTS	13	The Best Second Language	193	Main Idea & Details	spelling meeting -ing singing parking
	14	Words from Greek Myths	204	Cause & Effect	common compose co-, com- company collect
	15	A New Language for the World	210	Summarizing	universal uniform uni- universe unit
	16	A Family of Words	200	Summarizing	Korean German English Chinese French Greek nationality adjectives or nouns

Vocabulary				Project	21 st Century Skill	
heritage ground	site thief	bone hole	normal steal	Research a Heritage Site	Critical Thinking	Communication
achievement laser	drawing attempt	wonder prove	smooth truth	Explaining an Ancient Achievement	Critical Thinking	Creativity
stay emperor	truly compete	go back winner	scholar minister	My All-Time Favorite Game!	Critical Thinking	Communication
take care of inside	goat strange	climb treasure	cave jar	To Future Generations	Critical Thinking	Creativity
island disappear	melt wave	level tropical	decrease threaten	The Pros and Cons of Island Living	Critical Thinking	Communication
suggest marble	liquid precious	strength various	temple worship	Must-See Places	Critical Thinking	Collaboration
rainforest over	cover kinds	planet flow	percent wide	The Most Beautiful Places	Critical Thinking	Communication
nation waist	thunder permit	strict probably	limit certainly	Kings and Queens	Critical Thinking	Creativity
spoil event	seed select	shine region	prevent damage	Debating Weather Control	Critical Thinking	Communication
as~as part	round heat	wheel evaporate	cycle stream	Save Water	Critical Thinking	Creativity
phrase countless	heavily energy	ever report	storm had better	Dangerous Weather	Critical Thinking	
location ash	clear absorb	through reflect	particle sunset	Amazing Views	Critical Thinking	Communication
nearly international	communication spelling	succeed grammar	gain confusing	Learning Greetings	Creativity	Communication
trade task	silk challenging	gate journey	essential local	Foreign Words	Critical Thinking	Creativity
chance range	argument achieve	solution universal	one another perhaps	Esperanto Farm	Critical Thinking	Communication
Korean come from	therefore usually	loan pronounce	ballet final	The Best Word	Creativity	Communication

Things that Science Has Not Explained

Warm Up

Have you ever seen something and wanted to know who made it or how it was made? Usually, there is someone who can answer your questions and explain it to you. However, there are some things that cannot be explained. Scientists are still trying to figure them out. There are many ideas about these things, but we don't know for sure if any of them are correct.

Look at the picture and answer the questions.

- What is one question about the world that you want to know the answer to?
- What is one possible explanation that would answer your question?
- What is one reason why you don't believe that explanation?

New Words Track 04

Match the highlighted word with its meaning.

- | | | |
|--|---|--|
| 1. His greatest achievement was winning the gold medal. | • | a. a picture made with a pencil or pen |
| 2. She hung the drawing of her family on the wall. | • | b. a thin and strong line of light |
| 3. I wonder what my best friend is doing right now. | • | c. to show that something is true or correct |
| 4. The ice is as smooth as glass. | • | d. to want to know |
| 5. The machine used a laser to cut the metal. | • | e. being true; a fact |
| 6. I will attempt to get home early tomorrow. | • | f. a thing done successfully |
| 7. The police will try to prove who stole the car. | • | g. to try to do something |
| 8. It is important to tell the truth . | • | h. having a flat surface |

Listen and read.

Things that Science Has Not Explained

Science is used to explain many things in the world. However, it has not been able to explain some ancient **achievements**.

The Nasca Lines are enormous **drawings** of patterns, animals, and other shapes. They are located on the ground of a high desert in Peru. Someone or something made them a long time ago before airplanes were invented. However, they are so big that people can only see them from high in the air. In fact, people first noticed them in the 1920s when airplanes began flying over the area. Today, scientists still **wonder** who made the Nasca Lines and why.



Puma Punku is a monument made of cut stones. It is located in Bolivia at 12,800 feet above sea level. The very large stones fit perfectly together like a puzzle. Some have right angles and are as **smooth** as glass. They look like they were cut by modern machines or **lasers**. Whoever made them must have had a deep understanding of stone-cutting and geometry. Many questions about Puma Punku remain unanswered, such as how the stones were cut and moved.



Many people have **attempted** to explain these sites. However, science has not been able to **prove** that they are right. Maybe one day, we will know the **truth**.

Reading Time: _____m _____s / 209 words

VOCABULARY SKILLS

The suffix **-ment** is used to change verbs into nouns.

achieve+ment → **achievement**: something that is achieved or accomplished

- **monument**: something that reminds us of an event, person, or place
- **excitement**: a feeling of great happiness or eagerness
- **agreement**: a state of agreeing or sharing the same opinion or feeling

READING SKILLS

Main Idea & Details

The main idea of a passage tells what the reading is about. The details support the main idea by giving more information about it.

- What is the main idea of the reading?
- Underline one detail in each body paragraph.

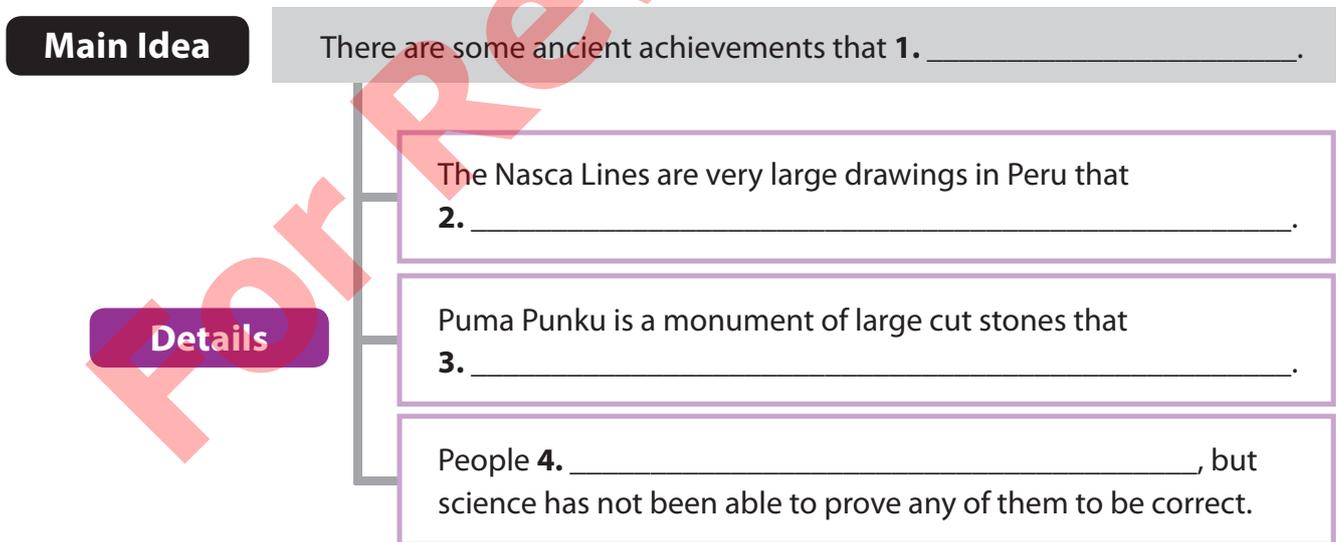
Reading Comprehension

Choose the right answer.

1. What is the reading mainly about?
 - a. Things that science has not achieved
 - b. Things that were recently discovered by science
 - c. Ancient achievements that science has not explained
 - d. Achievements in modern science that cannot be explained
2. What is true about the Nasca Lines?
 - a. They are located in Bolivia.
 - b. They were made with lasers.
 - c. They were found by people in airplanes.
 - d. They were found over two hundred years ago.
3. What do people still not know about Puma Punku?
 - a. How large the stones are
 - b. How the stones were cut
 - c. What the monument is made of
 - d. Where the monument is located

Reading Skills Main Idea & Details

Complete the chart with the correct information.



- a. have not been explained by science
- b. can only be seen from high in the air
- c. have tried to explain these achievements
- d. have right angles and fit together perfectly

Vocabulary

Choose the right words to complete the sentences. Not all the words will be used.

achievement
laser

drawing
attempt

wonder
prove

smooth
truth

1. I can _____ that he broke the window. I have a video of him doing it.
2. The man will get an award for his _____ in science.
3. Tom will _____ to ski for the first time.
4. She found a very _____ rock on the beach and took it home.
5. My mom says she has a surprise for me. I _____ what it is!
6. David's _____ of an elephant won first place in the art competition.



CENTURY SKILLS

Critical Thinking

Creativity

PROJECT Explaining an Ancient Achievement

You learned about two ancient achievements that science has not explained. There have been many guesses about how and why they were made and who made them. However, none of the guesses have been proven to be true. Now, it is your turn to try to explain an ancient achievement.

STEP 1 Choose an ancient achievement that science has not explained. Then, answer the questions.

1. What achievement did you choose? What do you know about it?

SAMPLE The ancient achievement I chose is the Nasca Lines. I know that it is located in Peru. It is a group of enormous drawings on the ground.

The ancient achievement I chose is _____. I know that it is located _____. It is _____.

2. Why is it difficult for science to explain?

SAMPLE It is difficult to explain because they were made before airplanes, yet they can only be seen from high in the air.

It is difficult for science to explain because _____.

STEP 2 Come up with your own explanation for the ancient achievement.

SAMPLE I think the Nasca Lines (was/were) made by giants. I think (it was/they were) made with big sticks or their fingers. The giants were so tall that they could easily see the pictures they drew.

I think _____ (was/were) made by _____. I think (it was/they were) made with _____.

STEP 3 Present your ideas to the class.



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Workbook

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Vocabulary Check

A Write the vocabulary words in the blanks below and find the secret word.

- The machine used a(n) _____ to cut the metal.
- His greatest _____ was winning the gold medal.
- She hung the _____ of her family on the wall.
- I will _____ to get home early tomorrow.
- I _____ what my best friend is doing right now.
- The police will try to _____ who stole the car.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Secret Word: _____

B Choose the best words or phrases to fill in the blanks.

- When it is not windy, the lake is calm and _____.
 a. smooth b. enormous c. high d. modern
- I can't find my keys. I _____ where I put them.
 a. attempt b. prove c. explain d. wonder
- Tell me the _____. Do you like my new haircut?
 a. laser b. truth c. achievement d. drawing

Comprehension Check

A Choose the right answer.

1. What did the makers of Puma Punku seem to know about?
 - a. Lasers and glass
 - b. Ancient art and puzzles
 - c. Airplanes and architecture
 - d. Stone cutting and geometry
2. Where are the Nasca Lines located?
 - a. In the air
 - b. In a desert
 - c. Below sea level
 - d. On a mountain

B Choose the right expressions to answer the questions.

Puzzles and patterns
They fit perfectly together.
Modern machines and lasers

They are high above sea level.
They are too big to see from the ground.
There are still things we don't know about them.

1. What is confusing about the Nasca Lines?

2. What does Puma Punku look like it was made with?

3. Why are the Nasca Lines and Puma Punku so interesting?

Summary

Complete the summary. Not all the words will be used.

wonder
noticed

lasers
truth

achievements
enormous

monument
puzzle

Two ancient 1. _____ that science has not explained are the Nasca Lines and Puma Punku. The Nasca Lines are 2. _____ drawings on the ground in Peru. They can only be seen from high in the air. They were made a long time ago. However, they were not noticed until airplanes flew over them in the 1920s. Scientists continue to 3. _____ who made them and why. Puma Punku is a 4. _____ of massive cut stones found in Bolivia. Puma Punku was also made a long time ago. However, the stones look like they were made with modern machines or 5. _____. They are very smooth, have right angles, and fit together like a(n) 6. _____. We still don't know the 7. _____ about how the stones were cut and moved to the site.