

Teaching Guide: Faces Wonders of the World

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Objectives:

- * Students will gain an appreciation of the famous structures created by past cultures of the world
- * Students will gain an understanding of criteria that goes into list making such as the Wonders of the Modern World.

Prior Knowledge:

- Before reading the articles, ask the students to brainstorm what are some of the wonders of the ancient world.
- * Ask the students to brainstorm what criteria goes into determining what might make something qualify as a wonder of the ancient world.
- * Encourage students to make a list of things which might be on a Wonders of the Modern world list.

Sole Survivor: pages 8-13

1. Name the seven wonders of the ancient world?
2. State three facts learned about the pyramids.
3. Draw a wonder of the ancient world and write 3 facts about the structure on the drawing.
4. What is a sarcophagus?
5. What was a "pyramidion"?
6. What are some of the buildings surrounding the area of the Great Pyramid?
7. What are some character traits of restorers who put together the 1224 pieces of Khufu's boat?
8. What does the symbol of the pyramid represent?
9. What does the Latin *Annuit Coeptis* mean by the eye of the pyramid on a dollar bill?

See this link: <http://www.unmuseum.org/wonders.htm>

Naming the New Wonders of the World: pages 14- 15

1. Who was Bernard Weber?
2. Which structures won the New 7 Wonders of the World list?
3. What is the next list to be determined?
4. What are some of the 100 nominees thus far?

Great Wall of China: pages 16- 17

1. What are four facts about the Great Wall of China?
2. Why was the wall built?
3. What have people in modern times used some of the wall's stone to build?
4. What actions has the Chinese government taken to protect the wall?

See these links: <http://www.enchantedlearning.com/subjects/greatwall/> and <http://www.thegreatwall.com.cn/en/goc/goc-1.htm>

Machu Picchu: pages 18- 19

1. What was the purpose of this structure?
2. What are four facts about Macchu-Picchu?
3. What were some of the metal objects made at Macchu Picchu?
4. What is the summer solstice?
5. What does "self-sufficient" mean?
6. How did modern discoverers of Macchu Picchu use the area?

See this link: <http://www.fieldmuseum.org/machupicchu/>

The Many Secrets of Petra: pages 20-21

1. What is the mystery of Petra?
2. What were dangers to tourists who visited in the 1800s?
3. How can tourists harm Petra?
4. What causing a toil on Petra?
5. What do you think of tourists who would take chips of Petra as souvenirs?

See this link: <http://www.amnh.org/exhibitions/petra/>

Christ the Redeemer: pages 22- 23

1. What was involved in the 2000 facelift of the structure?
2. What are three facts about Christ the Redeemer?
3. Why was it built?

The Roman Colosseum: pages 24- 25

1. What are three facts learned about the Colosseum?
2. What has caused its disrepair?
3. What is saltpeter and how is it made?
4. What was a cross placed at the entrances to the Colosseum?
5. What is a gladiator?
6. What are some uses of the Colosseum since ancient times?

See this link: http://www.greatbuildings.com/buildings/Roman_Colosseum.html

Taj Mahal: pages 26- 27

1. Three facts about the Taj Mahal
2. What is the purpose of the Taj Mahal?
3. Why are cars banned from the area of the Taj Mahal?

See this link: http://www.pbs.org/treasuresoftheworld/a_nav/taj_nav/main_tajfrm.html

Chichen Itza: pages 28-28

1. What was pok-ta-pok?
2. What was found in a well at the site in 1901?
3. What was the original use of Chichen Itza?
4. What is found at the top of the structure?
5. Who was Kukulcan?

See this link: http://www.internet-at-work.com/hos_mcgrane/chichen/chichen_index.html

The Fundy Tides pages 30-31

1. Three facts about the Fundy Tides?
2. What has been the use of the tides?
3. What causes the tides to occur?

See this link: http://fundytides.ca/timelapse_web/scotts_bay_1_hi_resize.jpg

Angel Falls and Niagara Falls: pages 32-33

1. Have small groups of students read the two articles. Make 8 statements and answers about the two falls. Place on different index cards. Exchange cards with another group. Play concentration game to find matching pairs.

Surrounded by Wonder: pages 40-41

1. Have partners read the article. Have one student be the reporter and the other, Tendai. Make five questions and do an interview to perform in front of the class.

Original Myths of the Grand Canyon: pages 42- 45

1. Read the story and then write a paragraph summarizing the story.

Trivia Hunt:

1. What is the biggest island in the world?
2. What is the population of the planet?
3. What is the famous falls in Zambia?
4. Which non-native American first saw the Grand Canyon?
5. What famous painting of daVinci was stolen in 1911 but recovered two years later?
6. What is the name for the spiny anteater?
7. What is the highest mountain on the continent of Africa?
8. What is the world's largest coral reef ecosystem?
9. What is the name of the famous ferris wheel in London, England?
10. What is the largest building in the world?

Answers:

1. Greenland
2. 6.6 Billion
3. Victoria Falls
4. John Wesley Powell
5. Mona Lisa
6. echidna
7. Mount Kilimanjaro
8. Great Barrier Reef
9. London Eye Millennium Wheel
10. Boeing Plant in Everett, Washington

Answers to reading selections:

Sole Survivor

1. Colossus of Rhodes, Hanging Gardens of Babylon, Statue of Zeus at Olympia, Mausoleum at Halicarnassus, Temple of Artemis at Ephesus, Pharos, or lighthouse at Alexandria.
2. State three facts learned about the pyramids.
3. Draw a wonder of the ancient world and write 3 facts about the structure on the drawing.
4. Stone container for a coffin
5. small pyramid on top of pyramid
6. pyramids for wives' mummies, mortuary temple, five pits for boats
7. answers will vary

8. strength and duration
9. "he has favored our beginnings"

Naming the New Wonders of the World: pages 14- 15

1. Started New7Wonders Foundation
2. Great Wall, Taj Mahal, Machu Picchu, Christ the Redeemer, Petra, Colosseum, Chichen Itza
3. Wonders of Nature
4. Grand Canyon, Everglades, etc.

Great Wall of China: pages 16- 17

1. What are four facts about the Great Wall of China?
2. to protect from invaders from the north
3. build a highway
4. illegal to place graffiti, carve, take bricks or soil, do stunts, etc.

Machu Picchu: pages 18- 19

1. Royal estate
2. What are four facts about Machu-Picchu?
3. tweezers, knives, etc.
4. shortest day of the year.
5. to do for yourself
6. farmers used the terraced levels to farm

The Many Secrets of Petra: pages 20-21

1. carved from solid rock
2. wild cats, foxes, hyenas, disease
3. perspiration from hands is harmful to stone, taking chips of stone as souvenirs, etc.
- 4.
5. What do you think of tourists who would take chips of Petra as souvenirs?

Christ the Redeemer: pages 22- 23

1. fixing cracks, cleaning away dirt, new lighting
2. What are three facts about Christ the Redeemer?
3. to celebrate the 100 anniversary of Brazil's independence from Portugal.

The Roman Colosseum: pages 24- 25

1. What are three facts learned about the Colosseum?
2. earthquakes, people taking some to build places, bridges, buildings
3. manure/explosives
4. martyrdom of Christians who died in the Colosseum
5. someone who fought in the Colosseum
6. squatters homes, home for powerful Italian family, performances, etc.

Taj Mahal: pages 26- 27

1. Three facts about the Taj Mahal
2. tomb for shah's wife
3. car exhaust harming the building

Chichen Itza: pages 28-28

1. a sport
2. remains of children, women and men sacrificed to rain god

3. religious center
4. temple with stone jaguar
5. important god of the people who lived there

The Fundy Tides pages 30-31

1. Three facts about the Fundy Tides?
2. energy
3. gravitational pull of sun and moon.