

Unit 1. Severe Weather

1. They create thunder and lightning.
2. Suddenly, electricity shoots out of the cloud as a bolt of lightning.
3. In the United States, hurricanes are given names, and they vary in strength from category one to five.

Unit 2. Four Seasons

1. Earth's orbit and tilt on its axis make four different levels of sun energy, creating four seasons.
2. As Earth moves closer to the sun, it receives more sunrays.
3. As Earth keeps moving, autumn turns summer's green to many shades of orange, yellow, and brown.

Unit 3. Rainforests of the Sea

1. However, coral reefs are formed from millions of tiny animals that are called coral polyps.
2. Corals get their nutrients from the byproducts of algae's photosynthesis, in which sunlight is essential.
3. Coral reefs also provide good habitats for the tiny fish and shrimp known as the cleaners of the sea.

#### Unit 4. What Flowers Do

1. But the most important thing that flowers do is to produce seeds that become new plants.
2. When insects fly from flower to flower, they spread the pollen.
3. By the time the seeds begin to form, the flower dies, but its ovary develops into a fruit, nut, or grain.

#### Unit 5. Butterflies and Moths

1. They drink juice from flowers and fruits called nectar and water from the ground.

2. Most caterpillars are green or brown, and their colors help them hide from other animals.

3. Moths use the moonlight to help them fly.

## Unit 6. Stars and Planets

1. Most stars look like bright dots because they are so far away.

2. The sun is a small star compared to the other stars in the universe.

3. It shines only because of light reflected from the sun.

## Unit 7. Volcanoes

1. Over thousands of years, the hard lava makes mountains.

2. An active volcano shows signs that it may erupt soon.

3. And lava and ash from volcanoes turn into rich soil that can grow food and forests.

## Unit 8. Sound

1. And sounds are all created by vibrations in matter.

2. We can hear because of a thin drum that vibrates when a sound wave enters our ears.

3. That is why we see lightning before we hear the sonic boom caused by thunder.

### Unit 9. Rocky Mountains

1. The Rocky Mountains are made up of rugged mountain ranges with deep valleys.

2. Copper is used in products like electrical wires, computers, pots, and pans.

3. The Rocky Mountains have various animals, plants, and natural resources.

### Unit 10. The Great Wall of China

1. It looks like an immense sleeping dragon when it is seen from the sky.

2. Slaves, soldiers, and even farmers were sent to build the wall.

3. Thousands of people visit the wall.

### Unit 11. George Washington: The First President

1. George Washington achieved many things for his country.
2. He served as a general and the commander of the Continental Army during the American Revolution.
3. The capital of the United States, Washington, D.C., is named after him.

## Unit 12. Martin Luther King

1. Martin Luther King, Jr. was a great man who worked for racial equality and civil rights in the United States.
2. Soon afterward, Dr. King led many peaceful demonstrations that protested the unfair treatment of African Americans.
3. His pursuit of justice won him the Nobel Peace Prize in 1964.

## Unit 13. Immigrants to America

1. Some were adventurers who wanted to make quick fortunes, and others were ordinary people looking for religious freedom.
2. It was only at the end of the Civil War that they became free.
3. As the result of continuing immigrants, many different ethnic groups and

their different cultures can exist in the United States.

#### Unit 14. The Civil War

1. Eleven southern states wanted to leave the United States of America over the issues of slavery and states' rights.
2. The North had factories that could make better weapons and uniforms for its armies.
3. However, after President Lincoln issued the Emancipation Proclamation which abolished slavery, the conditions turned to the North's favor.

#### Unit 15. Recycling: A Way to Save

1. If we continue using oil so quickly, some scientists say we will not have enough for everyone by 2020.
2. Recycling means to reuse materials by changing them into new products.
3. It is also important to buy recycled products or those that can be recycled.

#### Unit 16. Who Is Santa Claus?

1. He was born in the 4th century and was known for giving gifts to the poor and children.
2. During the 19th century, Santa Claus became a rich subject in children's literature.
3. The most modern version of Santa Clause, who wears red clothing and black boots and has a white beard on his face, was invented by an advertisement for Coca-Cola in 1939.

#### Unit 17. The Ten Suns

1. A long time ago, the god of the sky, Di Jun, lived with his wife and ten suns.
2. The ten suns all agreed to go out together and went out to the sky.
3. With tears in his eyes, Di Jun shot nine out of his ten suns.

#### Unit 18. Tikki Tikki Tembo

1. He shouted to his younger brother to fetch the ladder for him to get out of the well.
2. But, because his brother's name was so long it took quite some time for

his mother to comprehend what had happened.

3. Fortunately, this taught the Chinese people a lesson in their naming conventions.

### Unit 19. Using Estimation Strategies

1. In these cases, how can the reporter or scientist figure out their numbers?

2. Scientists and reporters can figure out numbers by using estimation strategies.

3. You can use a lesser number or an amount of something as a benchmark to estimate a greater number or amount.

### Unit 20. They Travel in Fives

1. The polar bears and penguins needed to take the floating pieces of ice to get a closer look.

2. No one knew how many polar bears or penguins could fit on one piece of ice.

3. Six pieces of ice—five animals on each piece of ice—made a total of thirty animals that sailed to see the light show.