



| 1 st Quarter | | | |
|-------------------------|--|--|-----------------------------|
| Resources: | | | |
| Week | Unit/Lesson | Learning Objectives | Reporting Categories (TEKS) |
| 1 st week | Orientation, Ice breaker activities, supply check, survey, classroom roles | | |
| 2 nd week | Chapter1- Types of living things Unit A | Infer the importance of animal homes Identify and compare characteristics. Describe the parts of cells. Observe the rate of seed growth. Describe the life cycles of plants. Describe the life cycle of animals. | 3.10A |
| 3 rd week | Chapter 2 Types of plants | Describe what plants need to live. Describe plant parts and their function. Describe how plants get what they need to live Explain that some plants grow from seeds. Describe how plants can be grouped. Describe seeds. Relate leaves to their function. Explain how plants make food and need energy from the sun. | 3.10A |
| 4 th week | Chapter3 Types of animals | Describe animals’ habitats and homes. Identify what animals need to live Describe how the environment meets the needs of animals | 3.10A |
| 5 th week | Chapter 3 (cont.) | Describe physical characteristics of mammals and reptiles. Describe the common characteristics of different groups of vertebrates. Describe the distinguishing characteristics of the different groups of vertebrates. Classify invertebrates. Describe how the physical structures of invertebrates allow them to move, obtain food and protect themselves. | 3.10A |
| 6 th week | Chapter 4 (UNIT B) Living Things Interact Stem Scopes- Drought research | Promote scientific Inquiry. Use a scientific method to plan and conduct a long-term investigation. Design an experiment to learn how a lake environment changes during a drought. Predict changes in an environment. Describe how ecosystems change over time. Explain how people change ecosystems. | 3.9C |
| 7 th week | Chapter4- What are ecosystems | Observe and describe the habitats of organisms in an | 3.9B |



1st Quarter

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|----------------------|--|---|-----------------------------|
| | | <p>ecosystem. Describe what makes up an environment. Describe what makes up an ecosystem. Explain how ecosystems support plant and animal life. Recognize that hibernation and migration are instinctive behaviors.</p> | |
| 8 th week | Chapter 5 – Living Things depend on one another (UNIT B) | <p>Link animals’ teeth with the food they eat. Describe how living things get energy. Explain why all animals depend on plants. Compare how different animals get energy. Create a model of a food chain. Describe what happens in a food chain. Explain how an energy pyramid shows energy passing through a food chain. Look for ways energy passes through a food chain. Construct a model of a food web. Explain what happens in a food web and how it can change. Describe ways that animals defend themselves. Evaluate relationships of science, technology, and society</p> | 3.9B |
| 9 th week | Orientation, Ice breaker activities, supply check, survey, classroom roles | | |



2nd Quarter

Resources:

| Week | Unit/Lesson | Learning Objectives | Reporting Categories (TEKs) |
|----------------------|--|---|-----------------------------|
| 1 st week | Chapter 6 Minerals and Rocks (UNIT C) | Explore hardness of minerals. Define minerals and rocks. Describe how to identify minerals by their properties. Model how a rock is formed. Identify the three types of rocks. Describe the way some rocks form from being worn down and carried away. Explain ways people use rocks. | 3.7A, B, C |
| 2 nd week | Chapter 6 (cont.) | Model how a fossil forms. Describe what fossils are and how they form. Identify what scientists learn from fossils. Evaluate relationships of science, technology, and society. | 3.7C |
| 3 rd week | Chapter 7 Forces that shape the land | Model and describe the formation of folded mountains. Describe the layers of Earth. Describe some of Earth's major landforms. Model and observe the way water can breakdown rock. Describe the effect of weathering on rock. Explain how erosion changes Earth's surface. | 3.7 A, B, C |
| 4 th week | Chapter 7 (cont.) | Model a volcano to observe the way eruptions change the land. Describe how earthquakes and volcanoes change Earth's surface. Describe how floods change earth's surface. | 3.7D |
| 5 th week | Chapter 8 Conserving Resources | Observe how pollution affects plants Identify how land is used. Identify different types of pollution. Identify how much paper your class could recycle in one week. Explain what conservation is. Identify ways to reduce, reuse, and recycle resources. | 3.7D |
| 6 th week | UNIT D: Weather and Space Chapter 9 The water Cycle | Recognize how much of Earth's surface is covered by water. Understand why water can move from the soil to the air and back to the soil. Recognize different forms of water. Understand why it rains. | 3.8 A, B |
| 7 th week | Chapter 9 (cont.) | Measure temperature. Understand what weather is. | 3.8 A, B |



2nd Quarter

Resources:

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|----------------------|--|--|-----------------------------|
| | | Discuss how weather can be observed. | |
| 8 th week | Chapter 10 Earth's Place in the Solar System | Understand the effect of different angles of sunlight on Earth. Identify what causes the seasons. Recognize what causes day and night. Describe the moon's phases. Identify the movements of the moon. Understand what causes solar and lunar eclipses. | 3.8C, D |
| 9 th week | Chapter 10 (cont.) | Identify the relative positions of the planets. Describe similarities and differences between the planets. Describe other bodies in the solar system. | 3.8C, D |

3rd Quarter

Resources:

| Week | Unit/Lesson | Learning Objectives | Reporting Categories (TEKS SEs) |
|----------------------|--|---|---------------------------------|
| 1 st week | UNIT E: PHYSICAL SCIENCE Chapter 11: Properties of matter | Measure the volume of a liquid. Observe and describe physical properties of matter. Explain why some objects float and others sink. | 3.5A |
| 2 nd week | Chapter 11 | Observe a change of state. Identify properties of solids, liquids and gases. Describe evaporation and condensation | 3.5B |
| 3 rd week | Chapter 11 | Make a mixture and a solution. Describe several types of physical changes. Explain how a chemical change differs from a physical change. | 3.5C |
| 4 th week | Chapter 12: ENERGY | Gather temperature data over a period of time and present it in a graph. Define energy. Explain the difference between kinetic energy and potential energy. | 3.6A |



3rd Quarter

Resources:

| Week | Unit/Lesson | Learning Objectives | Reporting Categories (TEKS SEs) |
|----------------------|---|--|---------------------------------|
| 5 th week | Chapter 12 | Measure the amount of energy transferred from sunlight to an object. Identify the source of types of energy people use for different purposes. Define temperature. | 3.6A |
| 6 th week | Chapter 12 | Investigate the power of wind to move objects. Describe ways people can conserve energy resources. Explain the difference between renewable and nonrenewable energy resources. | 3.6A |
| 7 th week | Revision Chapter 1-6, Benchmark and unit assessment | | |
| 8 th week | Revision 6-12, Benchmark and unit assessment | | |
| 9 th week | Chapter 13: Electricity and Magnets | Describe static electricity. Know that electricity must move through a complete circuit to operate a device. Distinguish insulators from conductors and give examples Recognize types and properties of magnets. Recognize magnetic materials. Identify practical uses of magnets in everyday life. | 3.6B |

4th Quarter

Resources:

| Week | Unit/Lesson | Learning Objectives | Reporting Categories (TEKS) |
|----------------------|-----------------------------------|---|-----------------------------|
| 1 st week | Chapter 13 (Contd.) | Recognize types and properties of magnets. Recognize magnetic materials. Identify practical uses of magnets in everyday life. Recognize how magnets can be used to do work. Describe the properties and uses of electromagnets. Explain how a generator works. | |
| 2 nd week | Chapter 14: Heat, Light and Sound | Demonstrate that when a warm object is in contact with a cool one, the warm object loses heat and the cool one | 3.6A |



| 4th Quarter | | | |
|----------------------|---|--|------------------------------|
| Resources: | | | |
| Week | Unit/Lesson | Learning Objectives | Reporting Categories (TEKS) |
| | | gains heat. Define heat and temperature. Compare conductors and insulators. | |
| 3 rd week | Chapter 14 | Investigate the path of light. Define reflection and refraction. Understand shadows | 3.6A |
| 4 th week | Chapter 14 | See what happens next when light travels Investigate how white light can be split into colored light. Describe how objects absorb light in different amounts. Explain how colored lights combine to make other colors. | 3.6A |
| 5 th week | Chapter 15 Unit F Exploring Forces and Motion | Investigate different kinds of motion. Identify and describe types of motion. Define speed. Investigate the motion of an object sling down a ramp. Define force and describe how forces affect motion. | 3.6C |
| 6 th week | Chapter 15 | Define weight Observe the motion of different kinds of waves. Define waves and describe their motion. | 3.6C |
| 7 th week | Chapter 15 | Identify the parts of a wave Evaluate relationships of science, technology, and society. Review chapter concepts. | 3.6B, C |
| 8 th week | Chapter 16 | Explain how a force can cause an object to move. Define work. Identify what is needed to measure work. Explain the advantages and disadvantages of performing a task with and without the help of a machine. Define simple machine. Describe a lever, a wheel-and-axle, and a pulley. Describe the mechanical advantage of using a ramp. Describe an inclined plane, a wedge, and a screw. Explain the relationship between an inclined plane and a screw. | |
| 9 th week | Chapter 16 Work and Machines continued | | |