

11A
12C
12D

Forces and Motion

- Describe and relate position and motion.
- Define speed using distance and time.
- Identify a force as a push or a pull, and relate force to motion.
- Define common forces, such as friction, gravity, and magnetism.
- Define energy and work.
- Discuss the forms of energy and how energy changes from one form to another.
- Identify and describe simple machines, and apply their use to real-world tasks.
- Define what a compound machine is and give several examples.

Third Grade Science Four-Quarter Plan
Quarter Two

ILS	SPECIFIC TOPIC	TEACHER RESOURCES
<p>11A 12C</p>	<p>Forms of Energy</p> <ul style="list-style-type: none"> • Describe how heat moves. • Compare insulators and conductors. • Describe how vibrations produce sounds. • Compare the pitch and volume of a sound. • Explore how light travels. • Describe how colors are seen. • Describe electrical charge. • Identify the parts of a circuit. 	<p>Macmillan/McGraw-Hill Science Series</p> <p>Science Series</p> <ul style="list-style-type: none"> • Textbooks • Experiment Kits • Graphic Organizers • Transparencies • Foldables • Textbook Website • Vocabulary Cards • Key Concept Cards • Science: A Closer Look Explore Activities DVD
<p>11A 12E 13A</p>	<p>Earth Changes</p> <ul style="list-style-type: none"> • Identify Earth’s landforms and the features of the ocean floor. • Describe the layers of Earth. • Describe earthquakes and volcanoes and identify their effects. • Describe the effects of landslides and floods. • Describe and identify the forces that cause weathering and erosion. • Analyze how people change the land. 	<ul style="list-style-type: none"> • Leveled Readers • Workbook Pages • Teacher Resource Materials
<p>11A 11B 12E 13B</p>	<p>Using Earth’s Resources</p> <ul style="list-style-type: none"> • Compare and contrast properties of minerals. • Describe how three main kinds of rocks form. • Explore soil and identify its components. • Compare and contrast different soils. • Model and describe how fossils form. • List examples of fossil fuels and other sources of energy. • Describe how air and water are 	

used as resources.

- Explain reasons and methods for conserving and protecting air and water.

Third Grade Science Four-Quarter Plan
Quarter Three

ILS	SPECIFIC TOPIC	TEACHER RESOURCES
<p>11A 12E</p>	<p>Changes in Weather</p> <ul style="list-style-type: none"> • Define weather. • Describe four characteristics of weather. • Infer how condensation occurs and rain forms in the atmosphere. • Describe the water cycle and relate it to weather. • Explain why climate varies from place to place. • Summarize how seasons differ from place to place. 	<p>Macmillan/McGraw-Hill Science Series</p> <p>Science Series</p> <ul style="list-style-type: none"> • Textbooks • Experiment Kits • Graphic Organizers • Transparencies • Foldables • Textbook Website • Vocabulary Cards • Key Concept Cards • Science: A Closer Look Explore Activities DVD • Leveled Readers • Workbook Pages • Teacher Resource Materials
<p>11A 11B 12F</p>	<p>Planets, Moons, and Stars</p> <ul style="list-style-type: none"> • Explain what causes day and night and the seasons. • Describe the Sun. • Identify the phases of the Moon and explain why the Moon seems to change shape. • Describe features of the Moon. • Describe our solar system. • Describe the inner and outer planets. • Describe stars and constellations. • Describe why different constellations can be seen during different seasons. 	
<p>11A 12A</p>	<p>A Look at Living Things</p> <ul style="list-style-type: none"> • Compare nonliving things and living things. • Describe what living things need to survive. • Relate plant structures to their functions. • Describe how plants are classified. • Describe what an animal needs to survive. • Relate how an animal meets its needs. 	

- | | | |
|--|---|--|
| | <ul style="list-style-type: none">• Identify two major groups of animals.• Classify animals into groups based on their structures. | |
|--|---|--|

Third Grade Science Four-Quarter Plan
Quarter Four

ILS	SPECIFIC TOPIC	TEACHER RESOURCES
<p>11A 12A 13A</p>	<p>Living Things Grow and Change</p> <ul style="list-style-type: none"> • Understand how plants grow and reproduce. • Recognize the life cycles of different types of plants. • Identify the different stages that animals go through in a life cycle. • Compare the life cycles of different kinds of animals. • Explain how some traits are inherited from parents. • Distinguish between inherited traits and learned traits. 	<p>Macmillan/McGraw-Hill Science Series</p> <p>Science Series</p> <ul style="list-style-type: none"> • Textbooks • Experiment Kits • Graphic Organizers • Transparencies • Foldables • Textbook Website • Vocabulary Cards • Key Concept Cards • Science: A Closer Look Explore Activities DVD • Leveled Readers • Workbook Pages • Teacher Resource Materials
<p>11A 12B</p>	<p>Living Things in Ecosystems</p> <ul style="list-style-type: none"> • Define an ecosystem. • Understand how energy moves through a food chain. • Identify the roles of different organisms in a food web. • Identify different ecosystems. • Describe the characteristics of different ecosystems. • Recognize adaptations that allow organisms to survive in certain environments. • Explain how adaptations help organisms survive. 	
<p>11A 12B</p>	<p>Changes in Ecosystems</p> <ul style="list-style-type: none"> • Identify ways that living things change their environment. • Explain how different organisms compete with each other for food, water, and shelter. • Show how environmental changes affect living things. • Explain what it means for an animal to be endangered. 	

- | | | |
|--|---|--|
| | <ul style="list-style-type: none">• Explain how scientists learn about ancient plants and animals by studying fossils.• Show how present-day organisms are similar to those that lived long ago. | |
|--|---|--|