

**SCIENCE PLAN 2009**  
**FIFTH GRADE**  
**TEXTBOOK: SCOTT FORESMAN SCIENCE 2006**

**FIRST PERIOD: JANUARY 14 –FEBRUARY 6**  
**UNIT A: LIFE SCIENCE**

<p><b><u>WEEK 1</u></b></p> <p><b>CHAPTER 1: CLASSIFYING ORGANISMS</b>  <b>BUILD BACKGROUND</b>  <b>ACTIVITIES</b></p> <p>LESSON 1 Why Do We Classify?</p> <ul style="list-style-type: none"> <li>• Reasons to Classify</li> <li>• Classification Systems</li> </ul>	<p><b><u>WEEK 2:</u></b></p> <p><b>CHAPTER 1: CLASSIFYING ORGANISMS</b></p> <p>LESSON 2 How Do We Classify Vertebrates?</p> <ul style="list-style-type: none"> <li>• Vertebrate Animals</li> <li>• Mammals</li> <li>• Reptiles</li> <li>• Birds</li> <li>• Amphibians</li> <li>• Fish</li> </ul>
<p><b><u>WEEK 3</u></b></p> <p><b>CHAPTER 1: CLASSIFYING ORGANISMS</b></p> <p>LESSON 3 How Do We Classify Invertebrates?</p> <ul style="list-style-type: none"> <li>• Animals without Backbones</li> <li>• Mollusks</li> <li>• Worms</li> <li>• Arthropods</li> <li>• Identifying Organisms</li> </ul> <p><b>CHAPTER REVIEW</b>  <b>ACTIVITIES</b></p>	<p><b><u>WEEK 4</u></b></p> <p><b>FIRST PERIOD TEST</b></p> <p><b><u>SECOND PERIOD—WEEK 1</u></b>  <b>CHAPTER 1: CLASSIFYING ORGANISMS</b></p> <p>LESSON 4 How Are Other Organisms Classified?</p> <ul style="list-style-type: none"> <li>• Mosses</li> <li>• Ferns</li> <li>• Conifers</li> <li>• Flowering Plants</li> <li>• Fungi, Protist, Eubacteria, Archaeobacteria</li> </ul>

**SECOND PERIOD: FEBRUARY 9 –MARCH 6**

**UNIT A: LIFE SCIENCE**

<p><b><u>WEEK 1</u></b></p> <p><b>CHAPTER 2: CELLS TO SYSTEMS BUILD BACKGROUND ACTIVITIES</b></p> <p>LESSON 1 What is Inside a Cell</p> <ul style="list-style-type: none"><li>• Cells and Their Functions</li><li>• The Parts of a Cell</li><li>• The Size of Cells</li></ul>	<p><b><u>WEEK 2:</u></b></p> <p><b>CHAPTER 2: CELLS TO SYSTEMS</b></p> <p>LESSON 2 How Do Cells Work Together</p> <ul style="list-style-type: none"><li>• Types of Cells and their Work</li><li>• Tissues and Organs</li></ul> <p>LESSON 3 How Do Organs Work Together</p> <ul style="list-style-type: none"><li>• Organ Systems</li><li>• Bones and Muscle Systems</li><li>• Organ Systems Work Together</li></ul>
<p><b><u>WEEK 3</u></b></p> <p><b>CHAPTER 3: HUMAN BODY SYSTEMS</b></p> <p>LESSON 1 What is the Circulatory System</p> <ul style="list-style-type: none"><li>• Body’s Transportation System</li><li>• Functions of the Blood</li><li>• Blood Cells</li><li>• Arteries, Capillaries, Veins</li><li>• Parts of the Heart</li></ul> <p><b>CHAPTER REVIEW ACTIVITIES</b></p>	<p><b><u>WEEK 4</u></b></p> <p><b>SECOND PERIOD TEST</b></p> <p><b><u>THIRD PERIOD—WEEK 1</u></b></p> <p><b>CHAPTER 3: HUMAN BODY SYSTEMS</b></p> <p>LESSON 2 What is the Respiratory System</p> <ul style="list-style-type: none"><li>• Parts of the Respiratory System</li><li>• Respiratory and Circulatory Systems Work Together</li></ul>

**THIRD PERIOD: MARCH 9 – APRIL 3**

**UNIT A: LIFE SCIENCE**

<p><b><u>WEEK 1</u></b></p> <p><b>CHAPTER 3: HUMAN BODY SYSTEMS</b></p> <p>LESSON 3 What Are the Digestive and Urinary System</p> <ul style="list-style-type: none"><li>• The Mouth and Esophagus</li><li>• Stomach/Intestines</li><li>• The Urinary System</li></ul>	<p><b><u>WEEK 2:</u></b></p> <p><b>(SKIP CHAPTER 4)</b></p> <p><b>CHAPTER 5: INTERACTION IN ECOSYSTEMS</b></p> <p>LESSON 1 What is An Ecosystem</p> <ul style="list-style-type: none"><li>• Living and Nonliving Parts</li><li>• Biomes</li></ul> <p>LESSON 2 What Are Land Biomes</p> <ul style="list-style-type: none"><li>• Tropical Rainforest Biomes</li><li>• Deciduous Forest Biomes</li></ul>
<p><b><u>WEEK 3</u></b></p> <p><b>CHAPTER 5: INTERACTION IN ECOSYSTEMS</b></p> <p>LESSON 2 What Are Land Biomes</p> <ul style="list-style-type: none"><li>• Grassland Biomes</li><li>• Taiga Biomes</li><li>• Desert Biomes</li><li>• Tundra Biomes</li></ul> <p><b>CHAPTER REVIEW ACTIVITIES</b></p>	<p><b><u>WEEK 4</u></b></p> <p><b>THIRD PERIOD TEST</b></p> <p><b><u>FOURTH PERIOD—WEEK 1</u></b></p> <p><b>CHAPTER 5: INTERACTION IN ECOSYSTEMS</b></p> <p>LESSON 3 What Are Water Systems</p> <ul style="list-style-type: none"><li>• Rivers</li><li>• Wetlands</li><li>• Coral Reefs</li><li>• The Deep Sea</li></ul>

**FOURTH PERIOD: APRIL 13 – MAY 8**  
**UNIT A: LIFE SCIENCE**

<p><b>WEEK 1</b></p> <p><b>CHAPTER 5: INTERACTION IN ECOSYSTEMS</b></p> <p>LESSON 4 How Do Organisms Interact</p> <ul style="list-style-type: none"> <li>• Competition</li> <li>• Symbiosis</li> </ul> <p>LESSON 5 How Does Energy Move in Ecosystems</p> <ul style="list-style-type: none"> <li>• Food Chains and Webs</li> <li>• Energy Pyramids</li> </ul>	<p><b>WEEK 2:</b></p> <p><b>(SKIP CHAPTER 4)</b>  <b>CHAPTER 5: INTERACTION IN ECOSYSTEMS</b></p> <p>LESSON 6 What Cycles Occur in Ecosystems</p> <ul style="list-style-type: none"> <li>• Recycling Matter</li> <li>• Nitrogen Cycle</li> <li>• Carbon Dioxide and Oxygen</li> </ul>
<p><b>WEEK 3</b></p> <p><b>CHAPTER 6: CHANGES IN ECOSYSTEMS</b></p> <p>LESSON 1 How Do Ecosystems Change</p> <ul style="list-style-type: none"> <li>• Animals Change Ecosystems</li> <li>• People Change Ecosystems</li> </ul> <p><b>CHAPTER REVIEW ACTIVITIES</b></p>	<p><b>WEEK 4</b></p> <p><b>FOURTH PERIOD TEST</b></p> <p><b><i>FIFTH PERIOD—WEEK 1</i></b>  <b>CHAPTER 6: CHANGES IN ECOSYSTEMS</b></p> <p>LESSON 2 How do Species Change</p> <ul style="list-style-type: none"> <li>• Inheriting DNA</li> <li>• Traits That Are Not Inherited</li> <li>• Adaptations/Structural Adaptations</li> <li>• Behavioral Adaptations</li> </ul>

**FIFTH PERIOD: MAY 11 – JUNE 12**  
**UNIT A: LIFE SCIENCE/EARTH SCIENCE**

<p><b>WEEK 1</b></p> <p><b>CHAPTER 6: CHANGES IN ECOSYSTEMS</b></p> <p>LESSON 3 How Do Changes Cause More Changes</p> <ul style="list-style-type: none"> <li>• Changes in Behavior/In Pollution</li> <li>• Extinction</li> </ul> <p><b><u>EARTH SCIENCE</u></b>  <b>(SKIP CHAPTERS 7-8)</b></p> <p><b>CHAPTER 9: EARTH'S CHANGING SURFACE</b></p> <p>LESSON 1 What is the Structure of the Earth</p> <ul style="list-style-type: none"> <li>• The Crust</li> <li>• The Mantle and Core</li> </ul>	<p><b>WEEK 2:</b></p> <p><b><u>EARTH SCIENCE</u></b>  <b>(SKIP CHAPTERS 7-8)</b></p> <p><b>CHAPTER 9: EARTH'S CHANGING SURFACE</b></p> <p>LESSON 2 What Causes Earthquakes and Volcanoes</p> <ul style="list-style-type: none"> <li>• Earth's Plates</li> <li>• Earthquakes</li> <li>• Volcanoes</li> </ul> <p>LESSON 3 What is Weathering</p> <ul style="list-style-type: none"> <li>• Weathering/Mechanical Weathering</li> <li>• Chemical Weathering</li> </ul>
<p><b>WEEK 3</b></p> <p><b><u>EARTH SCIENCE</u></b>  <b>(SKIP CHAPTERS 7-8)</b></p> <p><b>CHAPTER 9: EARTH'S CHANGING SURFACE</b></p> <p>LESSON 4 What Is Erosion</p> <ul style="list-style-type: none"> <li>• Erosion and Deposition</li> <li>• Wave Erosion</li> <li>• Wind Erosion</li> <li>• Field Erosion</li> </ul>	<p><b>WEEK 4</b></p> <p><b><u>EARTH SCIENCE</u></b>  <b>(SKIP CHAPTERS 7-8)</b></p> <p><b>CHAPTER 10: PROTECTING EARTH'S RESOURCES</b></p> <p>LESSON 1 What are Nonrenewable Energy Resources</p> <ul style="list-style-type: none"> <li>• Types of Resources</li> <li>• Oil and Natural Gas</li> <li>• Advantages and Disadvantages</li> </ul>
<p><b>WEEK 5</b></p> <p><b>FIFTH PERIOD TEST</b></p> <p><b><u>EARTH SCIENCE-</u></b>  <b><u>SIXTH PERIOD-WEEK 1</u></b></p> <p><b>CHAPTER 10: PROTECTING EARTH'S RESOURCES</b></p> <p>LESSON 1 What are Other Energy Resources</p> <ul style="list-style-type: none"> <li>• Solar Energy</li> <li>• Wind Energy</li> <li>• Moving Water</li> </ul>	

**SIXTH PERIOD: JULY 1 – JULY 31**

**UNIT A: EARTH SCIENCE**

<p><b><u>WEEK 1</u></b></p> <p><b>CHAPTER 10: PROTECTING EARTH'S RESOURCES</b></p> <p>LESSON 2 What are Other Energy Resources</p> <ul style="list-style-type: none"><li>• Nuclear Energy</li><li>• Geothermal Energy</li><li>• Energy of Biomass</li></ul>	<p><b><u>WEEK 2:</u></b></p> <p><b><u>EARTH SCIENCE</u></b></p> <p><b>CHAPTER 10: PROTECTING EARTH'S RESOURCES</b></p> <p>LESSON 3 What Are Other Resources</p> <ul style="list-style-type: none"><li>• Mineral Resources</li><li>• Water, Soil, and Air</li></ul> <p>LESSON 4 Can Resources Be Conserved</p> <ul style="list-style-type: none"><li>• Repairing Soil/Water/Air</li><li>• Conservation/Using Less and Reusing</li></ul>
<p><b><u>WEEK 3</u></b></p> <p><b><u>EARTH SCIENCE</u></b></p> <p><b>CHAPTER 10: PROTECTING EARTH'S RESOURCES</b></p> <p>LESSON 4 Can Resources Be Conserved</p> <ul style="list-style-type: none"><li>• Recycling</li></ul> <p><b><u>PHYSICAL SCIENCE</u></b></p> <p><b>CHAPTER 11: MATTER AND ITS PROPERTIES</b></p> <p>LESSON 1 What Are Properties of Matter</p> <ul style="list-style-type: none"><li>• Elements</li><li>• Weight, Mass, and Volume</li><li>•</li></ul>	<p><b><u>WEEK 4</u></b></p> <p><b><u>EARTH SCIENCE</u></b></p> <p><b>(SKIP CHAPTERS 7-8)</b></p> <p><b>CHAPTER 10: PROTECTING EARTH'S RESOURCES</b></p> <p>LESSON 1 What are Nonrenewable Energy Resources</p> <ul style="list-style-type: none"><li>• Types of Resources</li><li>• Oil and Natural Gas</li><li>• Advantages and Disadvantages</li></ul>
<p><b><u>WEEK 5</u></b></p> <p><b>FIFTH PERIOD TEST</b></p> <p><b><u>EARTH SCIENCE-</u></b></p> <p><b><u>SIXTH PERIOD-WEEK 1</u></b></p> <p><b>CHAPTER 10: PROTECTING EARTH'S RESOURCES</b></p> <p>LESSON 2 What are Other Energy Resources</p> <ul style="list-style-type: none"><li>• Solar Energy</li><li>• Wind Energy</li><li>• Moving Water</li></ul>	