

**Pacing Guide for 2nd Grade Science Curriculum  
2012-2013**

Week Number	Chapter & Lesson	COS	Objectives/Content Standards
<i>August 8 - 24</i>	<p style="text-align: center;"><b><u>Unit A</u></b>  <b>Plants and Animals</b>            Chapter 1: Plants are Living Things</p>	5	5.) Identify the relationship of structure to function in plants, including roots, stems, leaves, and flowers.
<i>August 27 – September 13</i>	Chapter 2: Animals are Living Things	6	6.) Identify characteristics of animals, including behavior, size, and body covering <ul style="list-style-type: none"> <li>• Comparing existing animals to extinct animals</li> </ul> Examples: iguana to stegosaurus, elephant to woolly mammoth <ul style="list-style-type: none"> <li>• Identifying migration and hibernation as survival strategies</li> </ul>
<i>September 14 - 28</i>	Chapter 3: Animal Life Cycles	6	6.) Identify characteristics of animals, including behavior, size, and body covering <ul style="list-style-type: none"> <li>• Comparing existing animals to extinct animals</li> </ul> Examples: iguana to stegosaurus, elephant to woolly mammoth <ul style="list-style-type: none"> <li>• Identifying migration and hibernation as survival strategies</li> </ul>
<i>October 1-12</i>	<p style="text-align: center;"><b><u>Unit B</u></b>  <b>Environments and Energy</b>            Chapter 4: Environments</p>	6	6.) Identify characteristics of animals, including behavior, size, and body covering <ul style="list-style-type: none"> <li>• Comparing existing animals to extinct animals</li> </ul> Examples: iguana to stegosaurus, elephant to woolly mammoth <ul style="list-style-type: none"> <li>• Identifying migration and hibernation as survival strategies</li> </ul>
<i>October 15-31</i>	Chapter 5: Energy Needs	6	6.) Identify characteristics of animals, including behavior, size, and body covering <ul style="list-style-type: none"> <li>• Comparing existing animals to extinct animals</li> </ul> Examples: iguana to stegosaurus, elephant to woolly mammoth <ul style="list-style-type: none"> <li>• Identifying migration and hibernation as survival strategies</li> </ul>
<i>November 1-28</i>	<p style="text-align: center;"><b><u>Unit C</u></b>  <b>Treasures from Earth</b>            Chapter 6: Rocks, Soils, and Fossils</p>	8	8.) Identify evidence of erosion and weathering of rocks. 7.) Identify geological features as mountains, valleys, plains, deserts, lakes, rivers, and oceans. <ul style="list-style-type: none"> <li>• Identifying local landforms and bodies of water</li> <li>• Identifying components of soil, including sand, clay, and silt</li> </ul>

<i>November 29- December 14</i>	Chapter 7: Using Soil and Saving Resources	7	7.) Identify geological features as mountains, valleys, plains, deserts, lakes, rivers, and oceans. <ul style="list-style-type: none"> <li>• Identifying local landforms and bodies of water</li> <li>• Identifying components of soil, including sand, clay, and silt</li> </ul>
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### Pacing Guide for 5<sup>th</sup> Grade Science Curriculum

<b>Week Number</b>	<b>Chapter &amp; Lesson</b>	<b>COS</b>	<b>Objectives/Content Standards</b>
<i>December 17- January 16</i>	<b>Unit D</b> <b>Patterns in the Sky</b> Chapter 8: Weather Patterns	9,10	10.) Identify the impact of weather on agriculture, recreation, the economy, and society. <ul style="list-style-type: none"> <li>• Recognizing the importance of science and technology to weather predictions</li> </ul> 9.) Describe evaporation, condensation, and precipitation in the water cycle.
<i>January 17- February 4</i>	Chapter 9: Motions in the Sky	11,3	11.) Identify basic components of our solar system, including the sun, planets, and Earth's moon. 3.) Recognize that light travels in a straight line until it strikes an object. <ul style="list-style-type: none"> <li>• Recognizing that light can be reflected</li> </ul>
<i>February 5-22</i>	<b>Unit E</b> <b>Matter and Energy</b> Chapter 10: Comparing Matter	1	1.) Identify states of matter as solids, liquids, and gases. <ul style="list-style-type: none"> <li>• Describing objects according to physical properties, including hardness, color, and flexibility</li> <li>• Describing changes between states of matter</li> </ul> Examples: - solid to liquid-melting, - gas to liquid-condensing, - liquid to gas-evaporating, - liquid to solid-freezing <ul style="list-style-type: none"> <li>• Measuring quantities of solids and liquids</li> </ul>
<i>February 25- March 12</i>	Chapter 11: Making Sound	2	2.) Identify vibration as the source of sound. <ul style="list-style-type: none"> <li>• Identifying pitch and volume as properties of sound</li> <li>• Distinguishing between pitch and volume of sound</li> </ul>
<i>March 13-April 4</i>	<b>Unit F</b> <b>Motion and Forces</b> Chapter 12: Objects in Motion	11	11.) Identify basic components of our solar system, including the sun, planets, and Earth's moon.

<i>April 5-22</i>	Chapter 13: Magnets	4	4.) Describe observable effects of forces, including buoyancy, gravity, and magnetism. Examples: <ul style="list-style-type: none"><li>- buoyancy-boat floating on water,</li><li>- gravity-apple falling from tree,</li><li>- magnetism-magnets adhering to metal</li><li>• Identifying simple machines, including the inclined plane, lever, pulley, wedge, screw, and wheel and axle</li></ul>
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