

**OVERVIEW OF SCIENCE SKILLS  
SECOND GRADE**

| UNIT CONCEPT – TEKS OBJECTIVE   | RESOURCES  |
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| <b>Part 1</b>   |  |
| <b>Think Like A Scientist</b> <ul style="list-style-type: none"> <li>• Safety</li> <li>• Measuring and Observing</li> <li>• Collecting Data</li> </ul> <b>Matter, Changes In Matter</b> <ul style="list-style-type: none"> <li>• Physical Properties of Matter</li> <li>• Heating and Cooling Matter</li> <li>• Changing Physical Properties of Matter</li> <li>• Combining Materials</li> </ul> <b>Forces and Energy</b> <ul style="list-style-type: none"> <li>• Push and Pull</li> <li>• Patterns of Movement</li> </ul>                           | Study Guide<br><br>Formative Assessment Questions (FAQs)<br><br>Homework<br><br>Online Science Fusion Textbook and Supplemental Materials<br><br>National Geographic online resource<br><br>Internet Resources |
| <b>Part 2</b>   |  |
| <b>Forces and Energy</b> <ul style="list-style-type: none"> <li>• Magnetism</li> <li>• Energy: Light, Heat, and Sound</li> </ul> <b>Earth's Resources</b> <ul style="list-style-type: none"> <li>• Rocks and Soil</li> <li>• Water Resources</li> <li>• Natural and Man-Made Resources</li> <li>• Conservation and Disposal of Resources</li> </ul>   | Solids and Liquids Kit<br><br>District Progress Monitoring Tests<br><br>Science Resource Center:<br>Hatching Butterflies<br>Body Coverings Demo<br>Insect Demo   |
| <b>Part 3</b>   |  |
| <b>Weather</b> <ul style="list-style-type: none"> <li>• Measuring Weather</li> <li>• Weather Patterns</li> <li>• Seasonal Information</li> </ul> <b>Astronomy</b> <ul style="list-style-type: none"> <li>• Objects in the Sky</li> <li>• Day and Night</li> <li>• Shadow Patterns</li> <li>• Patterns in Appearance of the Moon</li> </ul> <b>Organisms and Environments</b> <ul style="list-style-type: none"> <li>• Plant and Animal Basic Needs</li> <li>• Structures and Functions of Plants and Animals</li> <li>• Insect Life Cycles</li> </ul> | SRC Field Trip – EcoAdventures   |
| <b>Part 4</b>   |  |
| <b>Organisms and Environments</b> <ul style="list-style-type: none"> <li>• What is an Environment?</li> <li>• Food Chains</li> <li>• Environmental Factors</li> <li>• Interdependence</li> </ul> <b>Scientific Investigation and Reasoning</b> <ul style="list-style-type: none"> <li>• Engineering Projects</li> <li>• STEM Projects</li> </ul>  |  |