

## CURRICULUM MAP FOR SCIENCE GRADE 6

(Suggested timeline for introducing content and process standards - some overlap all four quarters)

SCIENCE GSEs	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
<b>1. Life Science</b>	<ul style="list-style-type: none"> <li>• Physiology and Behavior 1.1.1</li> <li>• Basic Survival Needs 1.2.1</li> <li>• Reproduction 1.3.1-2</li> <li>• Life Cycles 1.3.3</li> <li>• Cells as Building Blocks 1.4.1</li> <li>• Structural Organization 1.4.2</li> <li>• Photosynthesis and Respiration 1.6.2*</li> </ul> <p>* 3.5.1Apply Elements and Compounds</p> <ul style="list-style-type: none"> <li>• Experiment/Activity 1.1.2, 1.2.2, 1.3.4, 1.4.3, 1.6.3</li> <li>• Open Response 1.1.3, 1.2.3, 1.3.5, 1.4.4, 1.6.4</li> <li>• Assessment Target 1.2, 1.3, 1.6</li> </ul>	<ul style="list-style-type: none"> <li>• Species Survival Traits 1.9.1</li> <li>• Reasons for Extinction 1.9.2</li> <li>• Classification 1.8.1</li> <li>• Taxonomic Keys 1.8.2</li> <li>• Ecosystem Relationships 1.5.1</li> <li>• Energy Flow in Ecosystems 1.6.1*</li> <li>• Food Web 1.7.2***</li> <li>• Humans in the Ecosystem1.10.1-3**</li> <li>• Inquired vs. Inherited Traits 1.11.1-2</li> </ul> <p>*2.2.1-2 Apply Water Cycle *2.2.4 Apply Earth's Atmosphere **2.3.1 Effect of Catastrophic Events ***3.3.1Apply Conservation of Matter ***1.7.1Apply Water Cycle</p> <ul style="list-style-type: none"> <li>• Experiment/Activity 1.5.2, 1.7.3, 1.8.3, 1.10.4, 1.11.3, 2.2.5, 2.3.2</li> <li>• Open Response 1.5.3, 1.6.4, 1.7.4, 1.8.4, 1.10.5, 1.11.4, 2.2.6, 2.3.3</li> <li>• Assessment Target 1.7,1.8(external), 1.9</li> </ul>		
<b>2. Earth and Space Science</b>			<ul style="list-style-type: none"> <li>• Earth's Layers 2.1.1</li> <li>• Earthquakes and Volcanoes 2.1.2 &amp; 3.9.1</li> <li>• Rock Cycle 2.5.1-2*</li> <li>• History of Life on Earth 1.9.3</li> </ul> <p>*Apply Density 3.1.1 *Apply Properties 3.2.1-2 *Apply Phases of Matter 3.4.1</p>	

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			*Apply Elements and Compounds 3.5.1  <ul style="list-style-type: none"> <li>• Experiment/Activity 1.9.4, 2.1.3, 2.5.3, 3.1.2, 3.2.3, 3.9.2</li> <li>• Open Response 1.9.5, 2.1.4, 2.5.4, 3.1.3, 3.2.4, 3.9.3</li> <li>• Assessment Target</li> </ul>	
<b>3. Physical Science</b>				Energy Forms 3.6.1 Energy Storage 3.6.2 Sound 3.6.3 & 3.9.1 Heat Transfer (Basic) 3.7.1 Speed 3.8.1 Force 3.8.2-3 Electricity and Magnetism 3.8.4  <ul style="list-style-type: none"> <li>• Experiment/Activity 3.6.4, 3.7.2, 3.8.5</li> <li>• Open Response 3.6.5, 3.7.3, 3.8.6</li> <li>• Assessment Target 3.9</li> </ul>
<b>4. Inquiry</b>	<b style="color: red;">Inquiry Method</b> <ul style="list-style-type: none"> <li>• Collects data</li> <li>• Communicates understanding &amp; ideas</li> <li>• Designs, conducts, &amp; critiques investigations</li> <li>• Represents, analyzes, &amp; interprets data</li> <li>• Experimental design</li> <li>• Observes</li> </ul>	<b style="color: red;">Inquiry Method</b> <ul style="list-style-type: none"> <li>• Collects data</li> <li>• Communicates understanding &amp; ideas</li> <li>• Designs, conducts, &amp; critiques investigations</li> <li>• Represents, analyzes, &amp; interprets data</li> <li>• Experimental design</li> <li>• Observes</li> </ul>	<b style="color: red;">Inquiry Method</b> <ul style="list-style-type: none"> <li>• Collects data</li> <li>• Communicates understanding &amp; ideas</li> <li>• Designs, conducts, &amp; critiques investigations</li> <li>• Represents, analyzes, &amp; interprets data</li> <li>• Experimental design</li> <li>• Observes</li> </ul>	<b style="color: red;">Inquiry Method</b> <ul style="list-style-type: none"> <li>• Collects data</li> <li>• Communicates understanding &amp; ideas</li> <li>• Designs, conducts, &amp; critiques investigations</li> <li>• Represents, analyzes, &amp; interprets data</li> <li>• Experimental design</li> <li>• Observes</li> </ul>

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	<ul style="list-style-type: none"> <li>• Predicts</li> <li>• Questions and hypothesizes</li> <li>• Uses evidence to draw conclusions</li> <li>• Uses tools, &amp; techniques</li> </ul> <p style="color: red; margin-top: 10px;">Open Response</p> <p style="color: red; margin-top: 10px;">Assessment Target</p>	<ul style="list-style-type: none"> <li>• Predicts</li> <li>• Questions and hypothesizes</li> <li>• Uses evidence to draw conclusions</li> <li>• Uses tools, &amp; techniques</li> </ul> <p style="color: red; margin-top: 10px;">Open Response</p> <p style="color: red; margin-top: 10px;">Assessment Target</p>	<ul style="list-style-type: none"> <li>• Predicts</li> <li>• Questions and hypothesizes</li> <li>• Uses evidence to draw conclusions</li> <li>• Uses tools, &amp; techniques</li> </ul> <p style="color: red; margin-top: 10px;">Open Response</p> <p style="color: red; margin-top: 10px;">Assessment Target</p>	<ul style="list-style-type: none"> <li>• Predicts</li> <li>• Questions and hypothesizes</li> <li>• Uses evidence to draw conclusions</li> <li>• Uses tools, &amp; techniques</li> </ul> <p style="color: red; margin-top: 10px;">Open Response</p> <p style="color: red; margin-top: 10px;">Assessment Target</p>