

Curriculum Map: Elementary Science

Essential Questions	Grade Level Scope and Sequence
<ol style="list-style-type: none"> 1. How do we answer a question using a scientific investigation that reveals truth about the world around us? 2. How do we relate the purpose of individual organisms to their environments? 3. How can we explain the structure, properties, and interactions of matter and energy? 4. How does an understanding of the natural world prove it to be a created world? 5. How do we cultivate problem solving and critical thinking skills to apply science knowledge to everyday life? 6. How are forces at work around us? 7. How does the world around us demonstrate that energy and matter are conserved and yet transferrable? 	<p>Kindergarten:</p> <ol style="list-style-type: none"> 1. Life – plants, animals, habitats 2. Nature of Science – observation skills and tools 3. Physical – magnets, sound, light, motion 4. Earth – seasons, cycles, weather, resources <p>1st Grade:</p> <ol style="list-style-type: none"> 1. Life – plants, animals, environments 2. Nature of Science – observation skills and tools 3. Physical – matter, forces, energy 4. Earth – seasons, weather, resources <p>2nd Grade</p> <ol style="list-style-type: none"> 1. Life – plants, animals, environments 2. Nature of Science – observation skills and tools 3. Physical – matter, magnets, energy 4. Earth – weather, resources, solar system <p>3rd Grade</p> <ol style="list-style-type: none"> 1. Life – plants and animals 2. Nature of Science – investigating questions 3. Physical – matter, machines 4. Earth – changes to Earth’s surfaces, water, weather <p>4th Grade:</p> <ol style="list-style-type: none"> 1. Life – plants, animals, ecosystems 2. Nature of Science – investigating questions, scientific process 3. Physical – matter, energy, electricity 4. Earth – weather