



Recommended P1/ Grade 1 Curriculum Framework

<b>Content: SCIENCE—P1 / Grade 1</b>						
<b>Topic: Scientific Inquiry</b> (Inquiry skills are assessed in the context of physical, earth/space, and life sciences content.)						
<b>Content</b> (What do your students need to KNOW?)	<b>Demonstrators</b> (What do your students need to be able to DO?)	<b>Assessment</b> (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)	<b>Activities</b> (HOW will you teach it?)	<b>Resources</b> (What MATERIALS will you need?)	<b>Differentiation</b> (How will you reach the DIVERSITY of learners?)	<b>Literacy Connection</b> (How will you use READING and WRITING with this material?)
<p><b>Scientific Ways of Thinking and Working</b> Students will</p> <ul style="list-style-type: none"> <li>ask simple scientific questions that can be investigated through observations combined with scientific information.</li> <li>use simple equipment (e.g., plant lights, magnifiers, magnets), tools (e.g., metric rulers, thermometers), skills (e.g., describing, classifying), technology (e.g., electronic media, World Wide Web, calculators), and mathematics in scientific investigations.</li> <li>conduct different kinds of simple scientific investigations.</li> <li>communicate (e.g., draw, graph, write) procedures, observations and results of scientific investigations.</li> <li>review and ask questions about scientific investigations and explanations of other students.</li> </ul>	<p><b>The Nature of Science: Experimental Design</b> <b>AE 2.1</b> Students understand scientific ways of thinking and working and use those methods to solve real-life problems.</p> <p><b>Demonstrators</b></p> <ul style="list-style-type: none"> <li>Conduct and report an investigation or experiment.</li> <li>Collect data by using a variety of observation techniques and measurement tools.</li> <li>Classify and order objects by one or more identifiable properties.</li> <li>Observe and communicate properties of objects or organisms using all senses.</li> </ul>					

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	<p><b>Science Process Skills Continuum</b></p> <p>Students will</p> <ul style="list-style-type: none"><li>• <b>Measure</b> by accurately comparing something to standard or nonstandard units. The basic units for measuring are length, mass, and time. Sometimes estimation may be used, too.</li><li>• <b>Order</b> by organizing objects or events based on a chosen characteristic or sequence.</li><li>• <b>Classify</b> by using observations to group objects or events according to similarities and differences.</li><li>• <b>Communicate</b> giving or receiving information so that someone else can interpret it accurately. Examples include: oral or written communication, charts, diagrams, drawings, graphs, maps, photographs, pictures, reports, symbols, or tables.</li><li>• <b>Observe</b> using one or more of their senses (seeing, hearing, smelling, tasting, or touching) to find out about objects, events, or living things.</li></ul>					