

<b>Course: 1<sup>st</sup> grade</b>			<b>Designated Six Weeks: Ongoing</b>		
<b>Unit: Process Skills</b>			<b>Days to teach: Ongoing</b>		
<b>TEKS</b>	<b>Guiding Questions Specificity</b>	<b>Sample Assessment</b>	<b>Vocabulary</b>	<b>Instructional Strategies</b>	<b>Resources/ Weblinks</b>

(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices.

<p>1. 1(A) identify and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately;</p> <p>1.1 (B) describe the importance of safe practices to keep self and others safe and healthy.</p> <p>1.1 (C) identify and demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reuse or recycling of paper, plastic, and metal.</p>	<p>1.1(a) and (b) What are some safety items you need to wear during science investigations? <b>Goggles, gloves. etc</b></p> <p>What behaviors do you need to practice during science investigations? <b>You need to follow the teacher's instructions.</b></p> <p>1.1(c) Recycle all items such as paper, plastic, metal, and glass at home and in your classroom.</p>	<p><b>Preparation for 2<sup>nd</sup> grade Curriculum Check</b></p> <p><b>Sample Questions</b></p> <p>1. Which of these activities in a lab should a student NOT do? a. run around b. follow directions c. wash your hands when you are finished.</p>	<p>Safety Natural resources Recycle Re-use Conserve Dispose</p>	<p><b>Examples of Instructional Strategies:</b> Demonstration Lecture-Discussions Journals KWL Simulations Role-play Activating prior knowledge</p> <p><b>Link to the ELPS Strategies:</b> <a href="http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html">http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html</a> 4E and 4F- Concept Attainment 3H- Accountable conversational stems 1C, 2B, and 3A- Word walls</p>	<p><b>Simple Science CD</b> 1st grade Folders</p> <p><b>Harcourt Science Textbook Grade 1:</b> *16</p> <p><b>MISD Teacher Wiki:</b> <a href="http://www.misd4science.pbworks.com">www.misd4science.pbworks.com</a></p> <p><b>Promethean Planet:</b> <a href="http://www.prometheanplanet.com/en-us/">http://www.prometheanplanet.com/en-us/</a></p> <p><b>Safari Montage:</b> <a href="http://www.safari/SAFARI/montage/login.php">http://www.safari/SAFARI/montage/login.php</a></p>
--	---	---	---	--	---

(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations.

<p>1.2 (A) ask questions about organisms, objects, and events in the natural world</p> <p>1.2 (B) plan and conduct descriptive investigations such as how objects move</p>	<p>1.2(a),(b),(c),(d)(e) Scientific Method: Question Hypothesis Procedure Results</p>	<p><b>Preparation for 2<sup>nd</sup> grade Curriculum Check</b></p> <p><b>Sample Questions</b></p> <p>1. You are observing a</p>	<p>Primary balance Investigation Organisms Natural world Non-standard measurement</p>	<p><b>Examples of Instructional Strategies:</b> Graphic Organizers Journals Discussion KWL</p>	<p><b>Simple Science CD</b> 1st grade Folders</p> <p><b>Harcourt Science Textbook Grade 1:</b> R2-3</p>
--	---	--	---	--	---

Course: 1 <sup>st</sup> grade			Designated Six Weeks: Ongoing		
Unit: Process Skills			Days to teach: Ongoing		
TEKS	Guiding Questions Specificity	Sample Assessment	Vocabulary	Instructional Strategies	Resources/ Weblinks
<p>1.2 (C) collect data from observations using simple equipment such as hand lenses, primary balances, and non-standard measurement tools;</p> <p>1.2 (D) record and organize data using pictures, numbers, and words;</p> <p>1.2 (E) communicate observations with others about simple descriptive investigations</p>	<p>Conclusion</p>	<p>how a toy car travels. When you push the car harder, what should you see? a. the car will go further b. the car will stop</p>	<p>Five senses</p>	<p><b>Link to the ELPS Strategies:</b> <a href="http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html">http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html</a> 5G- Journal 4G- Draw and Write 2H- Q &amp; A</p>	<p><b>MISD Teacher Wiki:</b> <a href="http://www.misd4science.pbworks.com">www.misd4science.pbworks.com</a></p> <p><b>Promethean Planet:</b> <a href="http://www.prometheanplanet.com/en-us/">http://www.prometheanplanet.com/en-us/</a></p> <p><b>Safari Montage:</b> <a href="http://www.safari/SAFARI/montage/login.php">http://www.safari/SAFARI/montage/login.php</a></p>
<p>(3) Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving.</p>					
<p>1.3 (A) identify and explain a problem such as the impact of littering on the playground;</p> <p>1.3 (B) make predictions based on observable patterns in nature such as the shapes of leaves</p> <p>1.3 (C) explore that scientists investigate different things in the natural world and use tools to help in investigations.</p>	<p>1.3(a) What is the problem? <b>It is the question that you are trying to answer.</b></p> <p>1.3(b) What will happen to the leaves or trees in the fall? <b>The leaves will fall off the trees.</b></p> <p>1.3 (c) What are some things that scientists do? <b>They do research, conduct experiments using science tools, and share their results.</b></p>	<p><b>Preparation for 2<sup>nd</sup> grade Curriculum Check</b></p> <p><b>Sample Questions</b></p> <p>1. How does litter on the playground cause problems? 2. What are some patterns in nature?</p>	<p>Predict Litter Tools</p>	<p><b>Examples of Instructional Strategies:</b> Demonstration Lecture-Discussions Journals KWL Simulations Role-play Activating prior knowledge</p> <p><b>Link to the ELPS Strategies:</b> <a href="http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html">http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html</a> 3D- Think, Pair, Share 3G- Accountable conversation stems 1A- KWL</p>	<p><b>Simple Science CD</b> 1<sup>st</sup> grade Folders</p> <p><b>Harcourt Science Textbook Grade 1:</b> * 10- *15</p> <p><b>MISD Teacher Wiki:</b> <a href="http://www.misd4science.pbworks.com">www.misd4science.pbworks.com</a></p> <p><b>Promethean Planet:</b> <a href="http://www.prometheanplanet.com/en-us/">http://www.prometheanplanet.com/en-us/</a></p> <p><b>Safari Montage:</b> <a href="http://www.safari/SAFARI/montage/login.php">http://www.safari/SAFARI/montage/login.php</a></p>

Course: 1 <sup>st</sup> grade			Designated Six Weeks: Ongoing		
Unit: Process Skills			Days to teach: Ongoing		
TEKS	Guiding Questions Specificity	Sample Assessment	Vocabulary	Instructional Strategies	Resources/ Weblinks
(4) Scientific investigation and reasoning. The student uses age-appropriate tools and models to investigate the natural world.					
<p>1.4 (A) collect information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, and notebooks; timing devices, including clocks and timers; non-standard measuring items such as paper clips and clothespins; weather instruments such as demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as terrariums and aquariums; and</p> <p>1.4 (B) use senses as a tool of observation to identify properties and patterns of organisms, objects, and events in the environment</p>	<p>1.4(a) You use a balance to measure or compare the mass of objects.</p> <p>You can use steps to measure distance from one place to another.</p> <p>1.4(b) Which of your five senses would you use to identify which item is heavier or lighter? <b>Your sense of touch.</b></p>	<p><b><u>Preparation for 2<sup>nd</sup> grade Curriculum Check</u></b></p> <p><b>Sample Questions</b></p> <p>1. What tool would be best used identify that an object is metal? a. magnet b. pan balance c. plastic beaker</p>	<p>Wind sock Timer Hand lense Terrariums Aquariums Environment Thermometer</p>	<p><b><u>Examples of Instructional Strategies:</u></b> Demonstration Lecture-Discussions Journals KWL Simulations Role-play Activating prior knowledge Graphic Organizers</p> <p><b><u>Link to the ELPS Strategies:</u></b> <a href="http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html">http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html</a> 4F- Manipulatives 2F- Visual/Video 5G- Journal</p>	<p><b><u>Simple Science CD</u></b> 1<sup>st</sup> grade Folders</p> <p><b><u>Harcourt Science Textbook Grade 1:</u></b> R 4-10</p> <p><b><u>MISD Teacher Wiki:</u></b> <a href="http://www.misd4science.pbworks.com">www.misd4science.pbworks.com</a></p> <p><b><u>Promethean Planet:</u></b> <a href="http://www.prometheanplanet.com/en-us/">http://www.prometheanplanet.com/en-us/</a></p> <p><b><u>Safari Montage:</u></b> <a href="http://www.safari/SAFARI/montage/login.php">http://www.safari/SAFARI/montage/login.php</a></p>