

# Overview Chart for Hands-on Activities – Quarter 1

Hands-on Activity	Student Objectives
<b>1 What Are Properties?</b> <i>page 39</i>	<ul style="list-style-type: none"> <li>• describe similar objects according to properties they have in common</li> <li>• operationally define <i>property</i></li> <li>• identify common properties, including color, size, texture, weight, shape, and material</li> </ul>
<b>2 Describing Properties</b> <i>page 47</i>	<ul style="list-style-type: none"> <li>• examine a variety of objects and describe them with words</li> <li>• create a chart showing different categories of descriptive words</li> <li>• classify objects into groups according to their properties</li> </ul>
<b>3 Size and Color</b> <i>page 55</i>	<ul style="list-style-type: none"> <li>• describe properties of paper squares and circles</li> <li>• classify and sort squares and circles by size</li> <li>• classify and sort circles by color</li> </ul>
<b>4 Mass</b> <i>page 65</i>	<ul style="list-style-type: none"> <li>• predict the relative masses of different objects</li> <li>• use an equal-arm balance to determine the relative masses of the objects</li> <li>• arrange the objects in order of increasing relative mass</li> </ul>
<b>5 Magnetism</b> <i>page 73</i>	<ul style="list-style-type: none"> <li>• operationally define <i>magnetism</i></li> <li>• predict and observe whether objects are attracted to a magnet</li> <li>• sort various objects as magnetic or not magnetic</li> </ul>
<b>6&amp;7 Properties of Solids</b> <i>page 81</i>	<ul style="list-style-type: none"> <li>• describe properties of solids</li> <li>• perform a simplified scratch test on various solids</li> <li>• group objects according to how hard they are</li> <li>• arrange a group of objects by increasing hardness</li> </ul>
<b>8 Properties of Liquids</b> <i>page 91</i>	<ul style="list-style-type: none"> <li>• examine properties of water</li> <li>• learn that water takes the shape of its container and pours easily</li> <li>• operationally define <i>liquid</i></li> <li>• describe the properties of liquids</li> </ul>
<b>9 Properties of Gases</b> <i>page 99</i>	<ul style="list-style-type: none"> <li>• describe properties of air</li> <li>• observe a demonstration that shows the physical presence of air</li> <li>• infer properties of gases in general</li> </ul>
<b>10 Using a Ruler</b> <i>page 109</i>	<ul style="list-style-type: none"> <li>• examine the information on a ruler</li> <li>• compare and order pipe-cleaner “worms” according to their appearance</li> <li>• measure the lengths of the “worms” in inches and millimeters</li> <li>• calculate the lengths of the “worms” in centimeters</li> </ul>

<b>Process Skills</b>	<b>Vocabulary</b>	<b>Delta Science Reader</b>
observe, define based on observations, communicate, compare	<b>property</b>	<i>Properties, pp. 3, 7</i>
observe, make and use models, communicate, compare, classify	<b>classify</b>	<i>Properties, pp. 3–4</i>
observe, communicate, compare, classify	<b>color, size, sort</b>	<i>Properties, pp. 3–4, 7</i>
observe, compare, predict, measure, display data	<b>equal-arm balance, mass</b>	<i>Properties, p. 6</i>
observe, define based on observations, predict, classify	<b>magnet, magnetic</b>	<i>Properties, p. 8</i>
observe, communicate, experiment, compare, classify, infer, display data, generalize	<b>solid</b>	<i>Properties, pp. 5–8, 15</i>
observe, compare, interpret data, define based on observations, communicate, generalize	<b>liquid</b>	<i>Properties, pp. 9–11, 15</i>
communicate, observe, infer, generalize	<b>gas</b>	<i>Properties, pp. 12–13, 15</i>
observe, compare, use numbers, measure	<b>centimeter, inch, length, millimeter, ruler, unit</b>	