

1st Grade

Properties

NYS Standard 4 (Science): Physical Setting (PS)

- ✓ **Key Idea 3: Matter is made up of a particle whose properties determine the observable characteristics of matter and its reactivity.**

Major Understandings	Learning Experience/Objectives	Supporting Terms
<i>3.1b Matter has properties (color, hardness, odor, sound, taste) that can be observed through senses.</i>	Developing a Property Chart: Students will sort objects and will develop a class property chart in doing so.	matter, space, mass
<i>3.1e The material(s) an object is made up of determine some specific properties of the object (sink/float, conductivity, magnetism). Properties can be observed or measured with tools such as hand lenses, metric rulers, thermometers, balances, magnets, circuit testers, and graduated cylinders.</i>	Sink or Float: Students will bring in objects from home to classify by sinking or floating.	solid, liquid, gas, fluid, volume, definite shape, properties
<i>3.1f Objects and / or materials can be sorted or classified according to their properties.</i>	<p>Buttons: Students will classify buttons by various properties.</p> <p>Shape: Students will explore a variety of shapes (geo blocks, pattern blocks, and tangrams) to develop an understanding of the basic shapes used in classification.</p> <p>Texture: Students will explore a variety of textures to develop an understanding of basic textures that can be used in classification.</p> <p>Metal, Plastic, and Wood: Students will identify the properties of metal, plastic, and wood by listing the properties on a property word chart.</p> <p>More Weighing: Students will serial order several objects of the same shape and size, but of different masses using the double pan balance.</p> <p>More Materials: Students will classify objects according to the material they are made of.</p> <p>Change in Form: Students will describe the properties of various objects then change the form of the objects and describe the properties.</p> <p>Gases: Students will describe and contrast the properties of air in a balloon and the properties of helium in a balloon.</p> <p>Properties of Liquids: Students will distinguish the different liquids according to their properties.</p>	states of matter, water, ice, steam, boiling point, melting point, freezing point