

## Physical Science---Third Grade

I. Properties of Objects

II. Position & Motion of Objects

III. Light, Heat, & Magnetism

<b>Kentucky Core Content</b> <small>*(The highlighted/underlined statements should be heavily stressed on your grade level.)</small>	<b>Primary Program of Studies</b> <small>*(The highlighted/underlined statements should be heavily stressed on your grade level.)</small>	<b>Vocabulary</b>	<b>Concepts Third Grade Students Should Know</b>	<b>Suggested Open Response Questions/Answers</b>
<p>Objects have many observable properties such as size, mass, shape, color, temperature, magnetism, and the ability to react with other substances. (1.1.1a)</p> <p>Some properties can be measured using tools such as metric rulers, balances, and thermometers. (1.1.1b)</p>	<p>Students will understand that properties (e.g., size, shape) of materials can be measured and used to describe, separate, or sort objects.</p> <p>Students will understand that materials can exist in different states and some</p>	<p><b>Matter</b></p> <p><b>Physical property</b></p> <p><b>Solid</b></p> <p><b>Liquid</b></p> <p><b>Gas</b></p> <p><b>Atom</b></p> <p><b>Evaporation</b></p> <p><b>Volume</b></p>	<p>Matter has many physical properties that you can observe by using your five senses.</p> <p>Atoms are small particles that make up matter. Whether matter is a solid, liquid, or gas depends on how tightly atoms fit together.</p>	<p>Matter is anything that takes up space. What physical properties of matter can you investigate with your five senses? Name each property, and then give an example. (Possible answer: A physical property I can SEE is whether a piece of metal is shiny or dull. A physical property I can investigate with TOUCH is heat or cold. A lemon has an odor I can SMELL. That odor is a physical property. I can also TASTE the sourness of the lemon. A physical property I can HEAR is the sound an object makes when it is struck with a pencil.)</p> <p>Matter exists in three states. If a being from another planet arrived on Earth, would it</p>