

Correlation of Maryland Voluntary State Science Curriculum to:
Light
Visual Learning Company
1-800-453-8481

<p>Grade 5 D. Wave Interactions</p> <p>3. Provide evidence to show that light travels in a straight line until it is reflected or refracted.</p> <p>a. Observe and describe the images formed by a plane mirror.</p> <ul style="list-style-type: none"> · Size of the images · Apparent distance of the image from the mirrors · Front-to-back reversal in the image. <p>b. Based on observations trace the path of a ray of light before and after it is reflected (bounces) off a plane mirror.</p> <p>c. Observe and describe that a ray of light changes direction when it crosses the boundary between two materials such as air and water or air to glass.</p> <p>Grade 5 D. Wave Interactions</p> <p>4. Recognize and describe how light interacts with different materials.</p> <p>a. Classify materials as translucent, transparent or opaque.</p> <p>b. Explain that shadows are formed when objects block light.</p>	<p>Light Video:</p> <p>Light will be introduced, as will the ways that scientists describe and measure light. Visual diagrams and hands-on explorations will help with students' understanding of how light works. Important terminology includes: wave, electromagnetic spectrum, wavelength, energy, reflection, lens, and prism.</p>	<p>Light Guide:</p> <p><i>Activities Across the Curriculum</i> (12 suggested activities for math, writing, social studies, and art) pages 6-7</p> <p><i>Where Did Those Colors Come From?</i> pages 19-20</p> <p><i>The Electromagnetic Spectrum in Your Life</i> page 21</p> <p><i>UV and You</i> pages 22-23</p> <p><i>Double Reflection</i> page 24</p>	<p>Light Guide:</p> <p>Preliminary Test page 15</p> <p>Post Test Page 16</p> <p>Video Review page 17</p> <p>Vocabulary page 18</p>
<p>c. Observe and describe that</p>			

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