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Suggested Implementation Guide for: Exploring Lights and Shadows

Grade: 1st

	Week 1	Week 2
English Language Arts	<p>Introduce: -ight words (light, night, bright chunks)</p> <p>Free Write: What is light? Make an anchor chart and KWL about light.</p> <p>Read the book <i>Light</i> and <i>Light Helps Me See</i> (integrate with Science)</p> <p>Compare and Contrast Artificial Light and Natural Light.</p>	<p>Free Write: What is a shadow? How are shadows made?</p> <p>Read the book: <i>Fun with the Sun</i></p> <p>Read the <i>Shadow Race</i> Poem. Write a poem about shadows.</p>
Social Studies		
Math	<p>Turning lights on and off to count.</p> <p>Patterns in light (classroom lights, flashlights, cell phone lights). Make a tally chart for patterns of light.</p>	<p>Measure shadows with non-standard units (unifix cubes and counting bears)</p> <p>Collect and graph the data from how tall their shadows at different times of the day.</p>
Science	<p>Watch Brainpop Jr. episode on light.</p> <p>Read <i>Light Sources</i> and create an anchor chart of Light Sources.</p> <p>Light Source/Not a Light Source Sort Activity</p>	<p>Experiment: Shadow Watching Activity</p> <p>Experiment: Shadow Mapping Activity</p> <p>Use</p>

	Sort pictures of Artificial and Natural Light; then complete a Venn Diagram to compare and contrast natural and artificial light with pictures	http://www.bbc.co.uk/schools/scienceclips/ages/7_8/light_shadows_fs.shtml and flashlight to explore what happens to shadows when the light source is closer and further away from the object.
Technology	Word Cloud about Light Sources – www.abcya.com	Story Maker about Shadows – www.abcya.com