
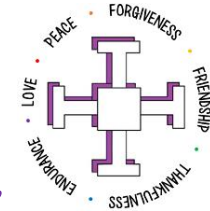




Christ Church CE Primary School
Science Assessment

*'Train up a child in the way they should go and when they are old,
they will not depart from it.'*
Proverbs 22:6

<p>Upper KS 2 Y6</p>	<p>Unit: Light</p> <p>Learning Objective: Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</p> <p>.Recognise that light appears to travel in straight lines</p> <p>. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.</p> <p>Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.</p>
	<p>Core Curriculum Content:</p>
<p>Knowledge and understanding</p>	<p>Expected</p> <ul style="list-style-type: none"> • Draw a diagram showing an object, shadow and light to relate object shape to shadow shape. • Represent light using straight line ray diagrams. • Explain how we can see an object by referring to light travelling into the eye. • Draw diagrams using straight lines showing light travelling to the eye. Name some objects which reflect light. 
<p>Pupils</p>	<div style="background-color: #e0f0e0; height: 60px;"></div>



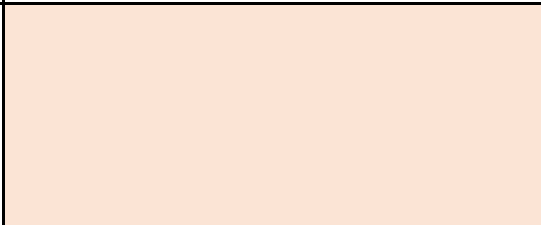
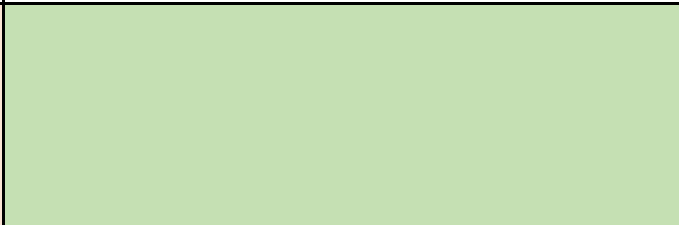


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<p>Knowledge and understanding</p>	<p><i>Working Towards</i></p>  <p>Relate the shape of shadows to the shape of the object that makes them.</p> <p>Recognise that light travels from one point to another and begin to represent this with diagrams.</p> <p>Describe how light travels from light sources to our eyes.</p> <p>Recognise that some objects reflect light.</p>	<p><i>Greater Depth</i></p>  <p>Use a diagram to explain that although a shadow is the same shape as the object, it may not be the same size.</p> <p>Recognise that even when light changes in direction, the path is still continuous. Represent this with scientific diagrams.</p> <p>Refer to the idea that some objects may be better reflectors than others.</p> <p>Draw diagrams using straight lines showing light reflecting off objects and into the eye.</p>
<p>Pupils</p>		
<p><i>Pupils with additional needs have made the following responses Relate the shape of shadows to the shape of the object that makes them, with help.</i></p> <p><i>Begin to recognise that light travels from one point to another.</i></p> <p><i>Describe how light travels from light sources to our eyes, with help.</i></p> <p><i>Begin to recognise that some objects reflect light, with help.</i></p>		