




Year 3 – Light

Key Concepts	Learning possibilities	Scientific Enquiry	Prior Learning
<p>Understand that light is reflected from surfaces.</p> <p>Recognise that shadows are formed when the light from a light source is blocked by a solid object.</p> <p>Investigate and find patterns in the way the size of a shadow changes</p>	<ul style="list-style-type: none"> • Explore how different objects are more or less visible in different levels of lighting. • Explore how objects with different surfaces, e.g. shiny vs matt, are more or less visible • Explore how shadows vary as the distance between a light source and an object or surface is changed. • Explore shadows which are connected to and disconnected from the object e.g. shadows of clouds and children in the playground. • Choose suitable materials to make Peter Pan shadow puppets. • Create artwork using shadows. 		<ul style="list-style-type: none"> • Explore how things work. (N - Light) • Talk about the differences in materials and changes they notice. (N - Light) • Describe what they see, hear and feel whilst outside. (Rec - Light) • Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. (Y1 - Animals I H) • Describe the simple physical properties of a variety of everyday materials. (Y1 - Materials)
Cultural Capital			
Key Vocabulary		<p>Isaac Newton 1642-1727</p> <p>Newton performed experiments on light. Perhaps the most famous was his experiment with sunlight and prisms where he showed that white light is composed of many colours.</p> 	<p>Peter Pan</p>  <p>open the website: www.bp.com/bpes click on 'Enter a student code' enter the code: 38117</p>
<p>Light</p> <p>Dark</p> <p>Shadow</p> <p>Transparent</p> <p>Direction</p> <p>Translucent</p>	<p>Shortest</p> <p>Longest</p> <p>Highest</p> <p>Object</p> <p>Material</p> <p>Light source</p> <p>Sun</p>	<p>Night</p> <p>Day</p> <p>Light</p> <p>Beam</p> <p>Reflect</p> <p>Reflection</p> <p>Opaque</p>	<p>Mirror</p> <p>Light travel</p> <p>Source</p> <p>Reflected</p> <p>Travel</p> <p>Block</p> <p>Shiny surface</p>

Crockerne Church of England Primary



Crockerne C of E Primary School