



# Year 3 Science: Light

Subject Specific Vocabulary		Light source or reflective?	Knowledge about light and dark
<b>light source</b>	The main light source for Earth is the sun. Some other luminous objects give out light, for example, torches, candles and lamps.		<p><b>Knowledge about light and dark</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The sun and other stars, fires, torches and lamps all make their own light and so are examples of sources of light.</li> <li><input type="checkbox"/> Light can be reflected off some surfaces, for example a mirror, glass and the moon reflect light.</li> <li><input type="checkbox"/> Shadows are formed when the light from a light source is blocked by an opaque object.</li> <li><input type="checkbox"/> The size of a shadow depends on the position of the source, object and surface.</li> <li><input type="checkbox"/> The light from the sun can damage our eyes.</li> </ul>
<b>dark</b>	Dark is the absence of light. We cannot see anything in complete darkness.		
<b>reflect</b>	It occurs when a ray of light hits a surface and bounces off.		
<b>reflector</b>	An object that reflects light for example the moon, a mirror, cat's eyes and road signs.		
<b>shadow</b>	A shadow is formed when an object blocks out the light. The object must be opaque or translucent to make a shadow.	<b>Making shadows</b>	
<b>transparent</b>	A material allowing light to pass through so that objects behind can be seen.	<p>The size of a <b>shadow</b> changes as the <b>light source</b> moves.</p>	
<b>translucent</b>	A material which allows light to pass through it but you cannot see detailed shapes.		
<b>opaque</b>	A material you cannot see through. Opaque objects do not allow light to pass through them. In most cases they create a shadow.		