

# LKS2: Light

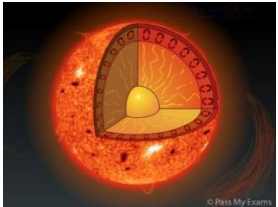
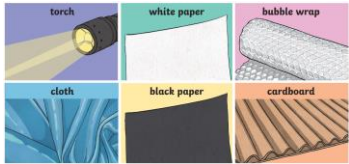

## Key vocabulary

<b>Dark</b>	The absence of light
<b>Emit</b>	To let out.
<b>Light</b>	The brightness that lets you see things.
<b>Opaque</b>	An object does not let any light pass through it.
<b>Proximity</b>	How close an object is to something else.
<b>Reflect</b>	When light is bounced back and does not pass through an object.
<b>Translucent</b>	An object lets some light pass through it.
<b>Transparent</b>	An object lets all available light pass through it, so the object is see-through.

## Key Knowledge

<b>Preceding</b>	<ul style="list-style-type: none"> <li>Day is light and night is dark.</li> <li>We can see in the dark, but it is easier to see when a light is on.</li> </ul>
<b>Current</b>	<ul style="list-style-type: none"> <li>Some objects, for example the sun, light bulbs and candles, are sources of light.</li> <li>Light passes directly into our eyes and we can see objects when light shines on them and is reflected back into our eyes.</li> <li>Darkness is the absence of all light. We cannot see in complete darkness.</li> <li>Some objects are easier to see because they are more reflective or shinier than other objects.</li> <li>Looking at the sun can be dangerous, and we must protect our eyes to avoid damage to them.</li> <li>Shadows are formed on a surface when light shines on an opaque or translucent object and blocks the light from showing on the surface.</li> <li>The size of the shadow depends on the position of the light source, object and surface.</li> <li>If the shadow and light source move closer to each other, the shadow will become larger.</li> </ul>

## Scientific Enquiry

<b>Research</b>	<p>How does the Sun make light?</p> 
<b>Comparative tests</b>	<p>Which materials allow the most light to pass through?</p> 
<b>Fair Tests</b>	<p>How does the distance between an object and a screen effect the size of the shadow?</p> 
<b>Observing over time</b>	<p>When is our classroom the darkest? Is the Sun the same brightness all day?</p> 