

Subject: Science

Theme: Light (Y3)

Knowledge	Skills	Vocabulary (Top 20)	Common misconceptions
<p>Recognise that they need light in order to see things and that dark is the absence of light.</p> <p>Notice that light is reflected from surfaces.</p> <p>Recognise that light from the sun can be dangerous and that there are ways to protect their eyes.</p> <p>Recognise that shadows are formed when the light from a light source is blocked by a solid object.</p> <p>Find patterns in the way that the size of shadows change.</p>	<p>Classify light sources (leading to man-made/natural).</p> <p>Classify materials (leading to reflective/non-reflective, transparent/translucent/opaque).</p> <p>Observe and measure how shadows change throughout the day and look at what causes them to change.</p> <p>Look for patterns in what happens to shadows when the light source moves or the distance between the light source and the object changes.</p>	<p>eyes bounce dark light mirror shadow sunlight torch beams pupil source surface non-reflective opaque ray reflect reflective retina translucent transparent</p>	<p>Some children may think:</p> <ul style="list-style-type: none"> • We can still see even where there is an absence of any light. • Our eyes 'get used to' the dark. • The moon and reflective surfaces are light sources. • A transparent object is a light source. • Shadows contain details of the object, such as facial features on their own shadow. • Shadows result from objects giving off darkness.

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Love



Friendship



Compassion



Community



Trust



Forgiveness

"Let all that you do be done in love." 1 COR 16:24
Do all the good you can.... John Wesley