

Year 6
Light

Week	NC objectives	REMEMBER (prior knowledge)	KNOW (new knowledge)
1 2 3 4 5 6	<ul style="list-style-type: none"> recognise that light appears to travel in straight lines 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 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 use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them 	<p>Recognise that they need light in order to see things and that dark is the absence of light. (Y3 - Light)</p> <p>Notice that light is reflected from surfaces. (Y3 - Light)</p> <p>Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. (Y3 - Light)</p> <p>Recognise that shadows are formed when the light from a light source is blocked by an opaque object. (Y3 - Light)</p> <p>Find patterns in the way that the size of shadows change. (Y3 - Light)</p>	<p>To know that animals see light sources when light travels from the source into their eyes.</p> <p>Animals see objects when light is reflected off that object and enters their eyes.</p> <p>To know that light reflects off all objects (unless they are black)</p> <p>To know that non-shiny surfaces scatter the light, so we do not see the beam.</p> <p>To know that light travels in straight lines.</p> <p>To know that objects that block light (are not fully transparent) will cause shadows.</p> <p>To know that because light travels in straight lines the shape of the shadow will be the same as the outline shape of the object</p>
Vocabulary	<u>Prior knowledge vocabulary</u>		<u>New vocabulary</u>

	light source, mirror, reflect, reflective, reflection shadow, blocked transparent, translucent, opaque	refraction, reflection, spectrum, rainbow
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