



# Pinner Wood School



<b>Year Group</b>	3	<b>Term</b>	Summer 1	<b>Subject</b>	Summer 1	<b>Topic</b>	Light
						<b>Key Question</b>	How does light work?
<b>Prior Learning and other Curriculum Links</b>	<p>Year 2</p> <p>I know how to edit a photo with simple tools</p> <p>I know how to begin to cut out an image to layer on another image.</p> <p>I know how to cut images with accuracy to layer on other images.</p> <p>Children have been introduced to the term 'cyberbullying' in the Year 2 Online Safety unit.</p>				<b>Skills statements</b>	<ul style="list-style-type: none"> <li>- I can explain that I need light in order to see things and that dark is the absence of light.</li> <li>- I can show that light is reflected from surfaces.</li> <li>- I can explain that light from the sun can be dangerous and that there are ways to protect eyes.</li> <li>- I can show how shadows are formed when the light from a light source is blocked by a solid object.</li> <li>- I can show that there are patterns in the way that the size of shadows change.</li> </ul>	
<b>Fundamentals</b>	<ul style="list-style-type: none"> <li>• I know how to create my own digital 360 image and explore it in VR</li> </ul>				<b>Key Facts/Sticky Knowledge</b>	<p>Children will recognise that they need light in order to see things and that dark is the absence of light</p> <p>Children will understand that light is reflected from surfaces</p> <p>Children will know that light from the sun can be dangerous and that there are ways to protect their eyes</p> <p>Children will understand that shadows are formed when the light from a light source is blocked by a solid objects.</p> <p>Children will find patterns in the way that the size of shadows change.</p>	
<b>Our Curriculum Journey</b>	<p><b>Journey:</b></p> <p>We will begin by recapping what light and dark is. Then we investigate reflection by determining which surfaces reflect light better than others. This then leads us on to looking at mirrors and thinking how they reflect an image. Then the children will look at how to protect their eyes from the sun's rays. Finally, the children will complete an investigation on shadows - how they are formed and what can affect them.</p>						
<b>Key Vocabulary (revisited)</b>	Light, dark, shadow, mirror, bright				<b>Key Vocabulary (new)</b>	light, dark, shadow, mirror, bright, dim, reflect, eye, opaque, transparent, translucent, ultraviolet, ray, beam, absorb, luminous, non-luminous, infrared, question, investigation, fair test, change, measure, predict, prediction, explain, explanation, observations, draw conclusions	