

Science Progression Framework: Light Year 3 and 6

Year 3	Year 6
<p>Recognise that they need light in order to see things and that dark is the absence of light</p>	<p>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. They recognise that light appears to travel in straight lines</p>
<p>Chn know that we need light to see and that darkness is the absence of light</p>	<p>Chn can 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</p> <p>Chn know that light appears to travel in straight lines</p>
	<p>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.</p> <p>Chn know that we see objects because light travels in straight lines and not because the object reflects light into our eyes.</p>
<p>Recognise that shadows are formed when the light from a light source is blocked by a solid object</p> <p>Chn can explain how a shadow is formed using scientific language e.g. opaque, transparent etc.</p>	
<p>Find patterns in the way that the size of shadows change</p> <p>Chn can explore/observe how the size of shadows change and discuss the patterns that they observe.</p>	<p>Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</p> <p>Chn can explain why shadows have the same shape as the object that casts them.</p>
<p>Notice that light is reflected from surfaces</p> <p>Chn recognise 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>Chn know that the light from the sun can be dangerous and that there are ways to protect themselves.</p>	