

Light Progression map Year 5

Previous Year: Year 3	Current Year: Year 5	Next Year: Year 6		
<ul style="list-style-type: none"> • Recognise that they need light in order to see things and that dark is the absence of light. • Notice that light is reflected from surfaces. • Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. • Recognise that shadows are formed when the light from a light source is blocked by an opaque object. • Find patterns in the way that the size of shadows change. 	<ul style="list-style-type: none"> • Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. (Y5 - Properties and changes of materials) 	<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. 		
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%;"></td> <td> <u>Learning Values:</u> -respect -responsible -resourceful -resilient -risk taker </td> </tr> </table>		<u>Learning Values:</u> -respect -responsible -resourceful -resilient -risk taker	<p style="text-align: center;"><u>How can the learning be applied?</u></p> <p style="text-align: center;">See materials progression grid</p>	<p style="text-align: center;"><u>Key learning for the topic:</u></p> <p style="text-align: center;">Light isn't a unit that is covered but some objectives can cover light knowledge for example in the unit properties and changes of materials.</p>
	<u>Learning Values:</u> -respect -responsible -resourceful -resilient -risk taker			
<p style="text-align: center;"><u>Possible stimulus to teach:</u></p> <p style="text-align: center;"><u>See materials stimulus for covering these objectives</u></p>				