

Science Knowledge Organiser		
Year 6 - Term 4		
Topic:	Light and Sight	

What I will know by the end of the unit :	New vocabulary:
<ul style="list-style-type: none"> • <i>That light appears to travel in straight lines.</i> • <i>The idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.</i> • <i>That we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.</i> • <i>The idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</i> 	Laser Beam
	Luminescence
	Radiate
	Reflector
	Scatter
Skills/Working Scientifically:	Key words/phrases we will use:
<p>Children will learn about how light travels and 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 will learn that shiny or reflective surfaces alter the direction in which light travels. Children will have the opportunity to solve problems related to everyday life about how light travels and how we see. Children will also investigate and explain the shapes of shadows, and relate this to light travelling in straight lines. Working Scientifically, children will have the opportunity to plan and carry out an investigation in the context of finding a reflective material for children's clothing. They will have the opportunity to use light sensors and data logging equipment to measure and record their observations and they will write a report detailing what they have concluded.</p>	<p>Light Light Sources Sun Earth Energy</p>
Links to previous learning:	Y3- Light and Shadows