


Year 3 Spring 1 Stanley Road Primary School Knowledge Organiser – Light (Science)

Key Vocabulary		Sources of light		Facts about Light
Light	The brightness that lets you see things	Natural	Man-Made	1. The moon reflects the sun's light it does not give off light on its own.
Dark	The absence of light	Sun	Light bulb	2. Light travels in straight lines
Reflect	When light bounces off a surface	Fire	Television	3. Light travels faster than sound
Filaments	The thin wire in a light bulb that glows	Fireflies	Neon sign	<p style="text-align: center;">Spectrum of Colour</p>  <p style="text-align: center;">White light is made up of many different coloured lights. When it is split through a prism (or in a rainbow) you can see the different colours in the sequence above. The mnemonic 'Richard of York Gave Battle In Vain' helps us to recall this. These are the same colours you see in a rainbow. You can see rainbows when it is raining and sunny at the same time. The water droplets in the air split the light from the sun into the spectrum of colours.</p>
Fluorescent	A light that is often in a long strip	Lightning	LED (Light-Emitting Diode)	
Ultraviolet (UV)	An invisible type of light that causes white surfaces to glow	Common Phrases about Light		
Prism	A block of clear glass which separates light into individual colours	'see the light at the end of the tunnel'	to see that something which has been difficult is nearly at an end.	
Spectrum	The range of colours produced when light passes through a prism	'shine a light on'	to focus on something	
Shadow	a dark shape that is made when light is blocked	'go out like a light'	to fall asleep very quickly	
Source	The place where something (e.g. light) begins	'shed light on something'	to uncover something that is hidden	
Opaque	You cannot see through it	'feel lightheaded'	to feel dizzy	
Translucent	Some light can pass through it but you cannot see clearly through it	'many hands make light work'	If everyone helps with a task it will get done more quickly	
Transparent	You can see through it clearly	'let there be light'	The phrase spoken by God in The Bible when light was created.	
Bioluminescence	Light produced by living organisms e.g. fireflies and some deep sea fish			