



St Paul's Church of England Primary School

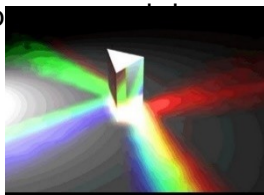


Don't let anyone look down on you because you are young but set an example for the believers in speech; in conduct; in love; in faith

and in purity."

(1 Timothy 4:12)

Subject: Science	Year group: 3 Term: Summer 1	Title: Light, Reflections and Shadows - Physics
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What should I know? • That light helps us to see • That the sun is a form of light • That light can cause shadows • How mirrors can show reflections 	Facts I will learn ... • That light can be reflected of many surfaces • That light directly from the sun can be dangerous and can cause damage to our eyes • That shadows are formed when an object blocks the source of light • That patterns can be found in the way in which the size of shadows change	Key questions ... • How is a shadow formed? • How and why do the sizes of shadows change? • What sources of light are there? • What happens when light hits a mirror? • Does light only travel in a straight line or does it bend? • Why is the light from the sun so important to life on Earth?								
Key Skills... • Looking for and measuring shadows to identify patterns in sizes • Identify which surfaces can reflect light and how this is done • Identifying and explaining the importance of shadows of sunlight 	Experiences that school will provide: • Exploring shadows in the local area	Key vocab and definition <table><tr><td>See</td><td>Perceive with the eyes.</td></tr><tr><td>Light</td><td>The natural agent that makes things visible.</td></tr><tr><td>Torch</td><td>A portable lamp.</td></tr><tr><td>Shadow</td><td>A dark area or shape produced by a body coming between rays of light and a</td></tr></table>	See	Perceive with the eyes.	Light	The natural agent that makes things visible.	Torch	A portable lamp.	Shadow	A dark area or shape produced by a body coming between rays of light and a
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			surface.
		Reflection	The throwing back by a body or surface of light.
		Reflective	Capable of reflecting light.
		Mirror	A surface, typically made of glass, which reflects a clear image.
		Opaque	Not able to be seen through.
		Transparent	Allowing light to pass through so that objects behind can be seen.
		Translucent	Allowing light but not detailed shapes to pass through.
Web links https://www.bbc.co.uk/bitesize/subjects/z2pfb9q (Light and Sound area) http://www.sciencekids.co.nz/light.html	Experiences that could be provided at home... Finding or creating shadows and talking about the size of them and how they have appeared		