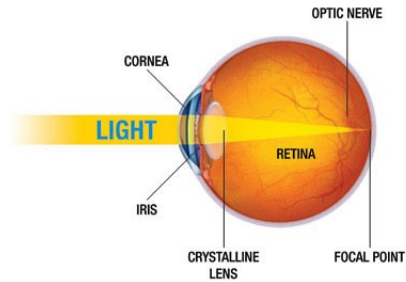




let anyone look down on you because you are young but set an example for the believers in speech; in conduct; in love; in faith and in purity.
(1 Timothy 4:12)

Subject: Science	Year group: 6 Term: Autumn 2	Title: Light - Physics
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 • That light can be reflected off 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	Facts I will learn ... • That light appears to travel in straight lines • That we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes • That light travels in straight lines to explain why shadows have the same shape as the objects that cast them 	Key questions ... • How does light travel? • How do we see? • How does light get into our eyes? • How can we use mirrors to see behind us? • How do shadows created by the sun change during the day? • How can we represent light traveling in drawings? • Can you make simple drawings to help to explain how light travels? • How does light behave? 

Key Skills... • Recognising and explaining how light travels and how we see • Explain how shadows are formed and can change	Experiences that school may provide: • The opportunity to experiment with different sources of lights and mirrors • A visit to Manchester Science and Industry Museum	Key vocab and definition	
Web links https://www.bbc.co.uk/bitesize/subjects/z2pfb9q (light and sound area) https://www.topmarks.co.uk/Search.aspx?q=shadows	Experiences that could be provided at home... • Create a shadow diary - make shadows at different times of the day to see how they change	Eyes	Organs of sight in the head of humans and animals
		Travel	To make a journey
		Shadow	a dark area or shape produced by a body coming between rays of light and a surface
		Block	An obstacle to the normal functioning of something
		Reflect	To throw back
		Direction	A course along which something or someone moves
		Beam	A ray or shaft of light
		Periscope	A piece of apparatus allowing someone to see something that is otherwise out of sight
		Bend	Be shaped or forced into a curve
		Split	Break into parts
Rainbow	An arch of colours visible in the sky, caused by the		

			refraction and dispersion of the sun's light	
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