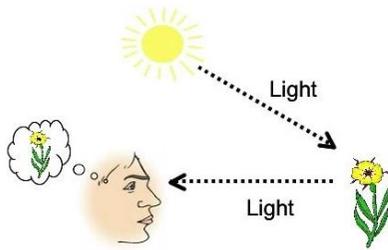


Year 6 : SCIENCE - Light

Subject Specific Vocabulary		Memorable Image	Exciting Books	
light wave	One of the characteristics of light is that it behaves like a wave.			
light source	Light, or illumination, is a form of energy that travels in waves.			
concave	Is a lens that curves inwards and reflects light differently			
convex	Is a lens that curves outwards and reflects light differently	Sticky Assessment Knowledge		
reflect	When light bounces off an object	<input type="checkbox"/> I know that light appears to travel in straight lines. <input type="checkbox"/> I know that the sun, stars and fire are the only natural light sources and all other light sources are made by humans. <input type="checkbox"/> I can explain that we see things because light travels from light sources to our eyes or from light sources to objects and then into our eyes. <input type="checkbox"/> I can use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. <input type="checkbox"/> I know that lenses work by changing the direction in which light travels into the eye. <input type="checkbox"/> I know the difference between, transparent, translucent and opaque objects.	Useful Websites	
refract	When light travels through an object and changes direction			
lens	A lens is transparent object that bends the light when it goes through it.			
transparent	A material is transparent if it lets all of the light through it. Glass is an example.	Misconceptions and Facts		
translucent	A material is translucent if it lets through some of the light. Lenses in sunglasses are examples.	<ul style="list-style-type: none"> • Objects that reflect light are not sources of light. E.g. shiny objects such as glitter. • The moon is not a source of light. It reflects the sun's light that then travels to earth and enters our eyes. • You should never look directly at the Sun, it could damage your eyes. 		
opaque	A material is opaque if it does not let light pass through it.			
pupil	The opening in the eye (that looks black) that lets the light in to the eye.			