

Science knowledge		Word	Definition
<u>REFLECTION -</u> When light from an object is reflected by a surface, it changes direction. It bounces off at the same angle it hits it.	ht travels in a straight line. We see things when t enters our eyes. When light hits an object it is ected (bounces off) and enters our eyes. This is	Light	Light is a wave which can come from natural or man-made sources.
Smooth, shiny surfaces such as mirrors and polished metals reflect light well. Dull and dark surfaces such as dark fabrics do not reflect light well.	how we see objects. Smooth, shiny surfaces such as mirrors and pol- ished metals reflect light well.	Reflection	Is when light hits the surface of an object and bounces back into our eyes. Reflection allows us to see objects.
Example: light travelling and reflecting from a smooth sur- face.	Dull and dark surfaces such as dark fabrics reflect select less well.	Refraction	The bending of light as it passes through different materials.
	Moon because it reflects light from the Sun.	Spectrum	The range of coloured light that makes up white light.
	light. As light travels in straight lines, the shadows are the same shape as the object casting them.	Rainbow	The refraction of white light into all of its colours.
	In the periscope, light bounces at 45° and it is re- flected again right into your eye.	Colour	The appearance of things as a result of refracting light.
How a periscope works	Shadows Shadows are formed when an opaque object blocks a ray of light.	Shadow	Shadows are formed when light from a source is blocked by an opaque object.
	 A shadow is always the same shape as the object that casts it. 	Periscope	A device that enables you to see over walls or around corners. Rays of light hitting the mirror of the periscope are reflected twice.