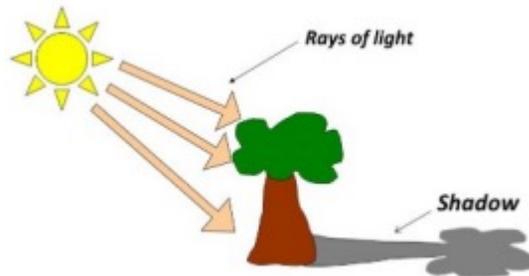




Key Vocabulary and Spellings

1	angle	the direction from which you look at something .
2	dark	the absence of light
3	emits	to emit a sound or light means to produce it
4	light	a brightness that lets you see things
5	mirror	a flat piece of glass which reflects light, so that when you look at it you can see yourself reflected in it
6	opaque	if an object or substance is opaque, you cannot see through it
7	reflects	sent back from the surface and not pass through it
8	shadows	a dark shape on a surface that is made when something stands between a light and the surface
9	source	where something comes from
10	translucent	if a material is translucent, some light can pass through it
11	transparent	If an object or substance is transparent, you can see through it

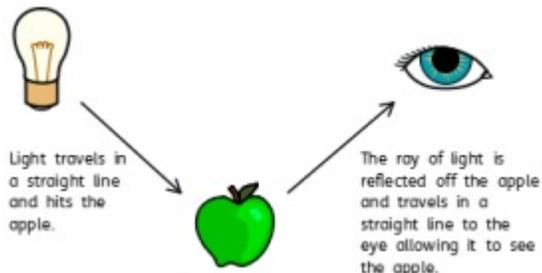
What is the relationship between light sources and shadows?



The size of a shadow changes as the light source moves.

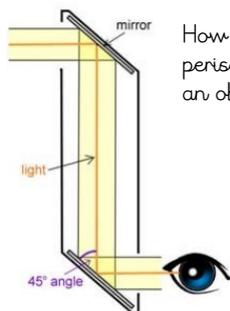


How do we see?



Top 5 Topic Facts

1	Certain things produce light, usually by burning (e.g. the Sun) or electricity (e.g. street lights)
2	Shiny materials do not make light but do reflect it
3	Shadows are caused when certain materials block light.
4	Light travels in straight lines. When light is blocked by an opaque object, a dark shadow is formed.
5	The further away the light source is, the smaller the shadow is. The closer the source of the light, the bigger the shadow.



How do the mirrors in a periscope allow us to see an object?

Key Investigations

1	How does light travel?
2	What happens when light is reflected from a mirror?
3	How are shadows formed?
4	Why do objects look bent in water?