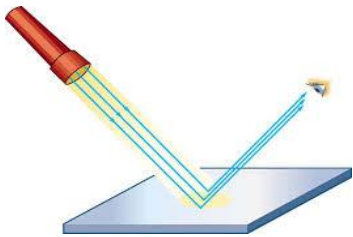


Light



Light is a type of energy and it travels in waves. It travels from its source in straight lines and when it hits an object, it is reflected (it bounces off it) and it enters our eyes. This is how we can see an object. Our main source of light is the sun.

Reflection



When light is bounced off an object it is reflected. When light is reflected it changes direction. It bounces off an object at the same angle that it hits it.

Light Source



A light source is a source of light that makes its own light, for example, the sun, stars, fire, torches and lamps. Animals such as glow worms also make their own light. Light travels away from the source until it meets an object.

Light

How brightly do you shine?

UPPER SCHOOL

Rainbows



Rainbows occur when light shines through water, for example, when the sun shines and it is raining. The light bends and reflects. As a result you see the 7 colours of the rainbow.

Mirror



A mirror has a smooth, shiny surface so it reflects light well and light will bounce straight off it. This is how we see our reflection!

Periscope

A periscope helps you to see things which are in a hidden position. It uses two mirrors to bounce light from one place to another and then to your eye. These are used in submarines to see what is going on the surface of the water from under the sea within the submarine.



Shadow

When light is blocked from getting to an object or source then a shadow is made. The shadow will have the same shape as the object that cast it. The shape is the same because the light travels in a straight line.

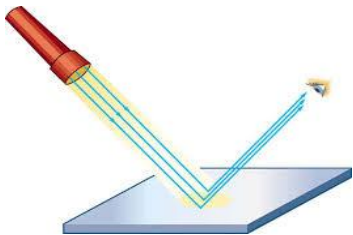


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