



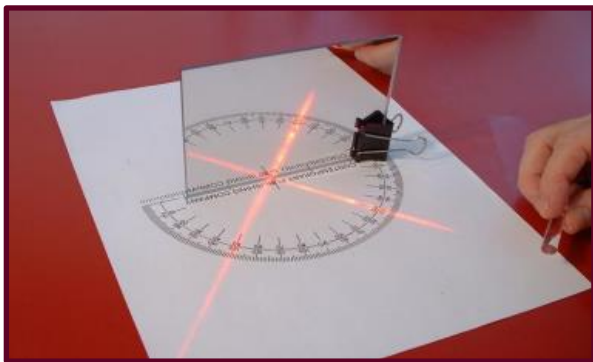
Y6 Science – How Light Travels

What is Light?

Light is a form of energy that enables us to see all the things around us.

The main source of light on earth is the sun. Light also comes from other sources such as fires, stars and man-made light sources such as light bulbs and torches.

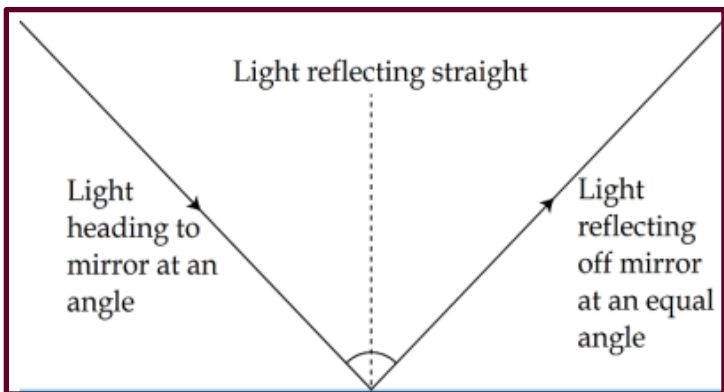
Thanks to light, we can see different colours as our eyes see different wavelengths of light as different colours. These colours are called the visible spectrum.



How is light reflected?

We see objects because light rays enter her eyes after bouncing off rough surfaces.

When light rays hit a smooth surface the light is reflected at equal angles.



Shadows

When an object passes in front of a beam of light, the light can be blocked, making a shadow.

The closer an object is to the source of light the bigger the shadow.

Vocabulary	
Light	A type of energy that makes it possible for us to see the world around us.
Source of light	An object that makes its own light.
Reflection	Occurs when a light ray hits a surface and bounces off.
Refraction	The bending of light as it passes from one substance to another.
Visible Spectrum	The range of colours we can see with our eyes.
Prism	A 3D shape with identical ends that allows us to see the visible spectrum.
Shadow	A dark area or a shape produced by an object coming between rays of light and a surface.
Opaque	A material that does not let through light and does not reflect it.
Translucent	A material that lets light pass through but objects on the other side are not seen clearly.
Transparent	Allow light to pass through and for you to see through them clearly.

