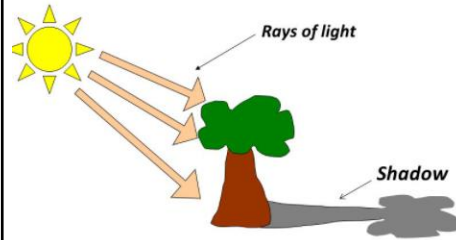


Year 6 Autumn 1 Science - Light

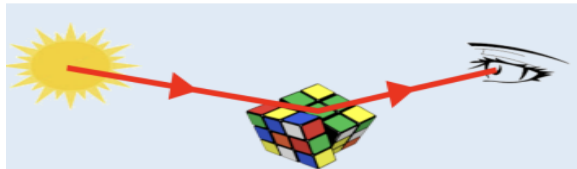
What should I already know?

- Light is needed in order to see things.
- Dark is the absence of light.
- Light is reflected from surfaces.
- Light from the sun can be dangerous and there are ways to protect your eyes.



Key Vocabulary and definitions

Light source	A light source is anything that makes light, whether natural and artificial. It travels in straight lines.
Transparent	A material that allows light to pass through so that things can be clearly seen.
Translucent	A material that allows some light to pass through, it does not allow you to see a detailed image.
Opaque	An opaque material does not allow light to pass through so that things cannot be seen through it.
Reflect	When light from an object is reflected by a surface, it changes direction. It bounces off the surface at the same angle as it hits it.
Shadow	A dark area or shape produced by an object blocking rays of light.



Here, the light goes from the light source, reflects off the object and into the eyes, so that you can see the object.

Light travels directly from the light source (candle flame) to the eye.



Facts about Light

Light appears to travel in straight lines.

We can see objects because light travels from light sources to our eyes or is reflected off objects and then into our eyes.

Objects can be seen because they give out or reflect light into the eye.

Shadows have the same shape as the object that cast them.