

Science Knowledge Organiser

Light (Term 2)

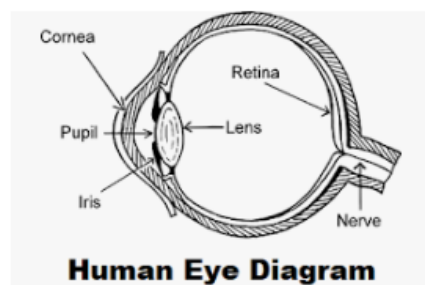
Year 5

Our learning

In our science lessons this term, we are learning about Light. This is part of the **physics** aspect of science. Through our learning we will be thinking about the **cause and effect** of different **scientific processes**.

We will be learning about how the human eye works.

We will also investigate how **periscopes** work.



A periscope in a submarine



Information

We see things when light from an object goes into our eyes.

Light travels in straight lines.

The light may come directly from a light source (such as the sun) but it may also be reflected from an object into our eyes in order to be seen.

Our eyes are made up of different parts :

- The **cornea** is the front layer of the eye
- The **pupil** is the black hole in the centre which lets light in.
- The **iris** controls how much light goes in.
- The **lens** helps to focus the light.
- The **retina** is at the back of the eye.

As a scientist I will...

- Take measurements using a range of scientific equipment.
- Plan and carry out fair tests making careful observations.

Vocabulary

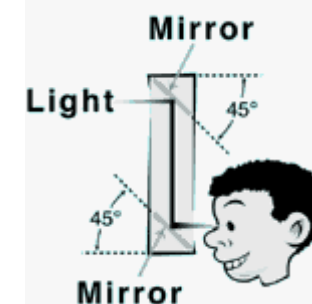
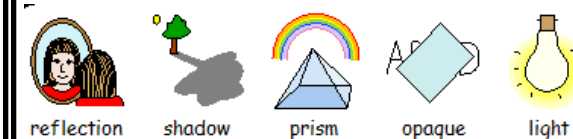
Reflection– the return of light from a surface.

Shadow– A dark shape made when light is stopped or blocked by an object or a person

Light source– A source of light makes light. Examples include the sun, stars, fires and torches.

Prism– A piece of glass with several flat sides which can be used to bend light.

Opaque– Something which cannot be seen through and does not allow light



How a periscope works

