

Light

Crucial Knowledge

- Know that light travels in a straight line which travels to our eye
- Describe how shadows are created, the reason for their shape and size
- Explain how light refracts to create a rainbow

Key Vocabulary

Eyes – Organs of sight in the head of humans and vertebrate animals

Filter – Pass through a device to remove unwanted material (liquid, gas, light or sound)

Light – The natural agent that stimulates sight and makes things visible

Light source – Something that provides light, whether it be a natural or artificial source of light (e.g. the sun, a torch)

Periscope – An apparatus consisting of a tube of attached to a set of mirrors or prisms through which an observer can see things that are otherwise out of sight

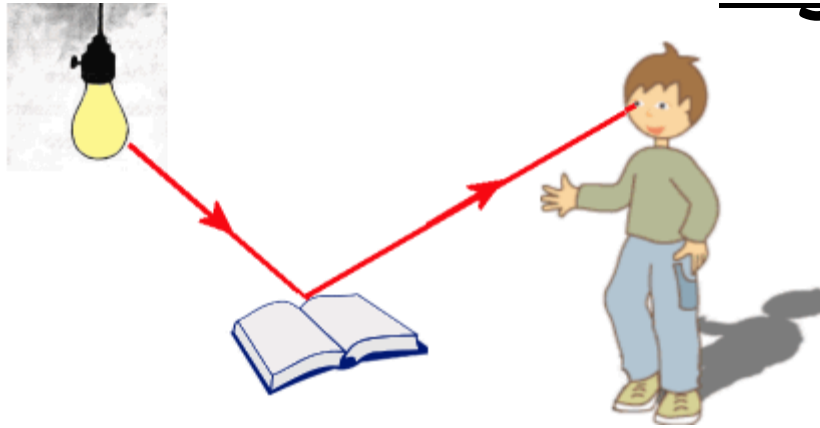
Rainbow – An arch of colours visible in the sky, caused by the refraction and dispersion of the sun's light by rain or other water droplets in the atmosphere

Reflection – The throwing back by a body or surface of light, heat or sound without absorbing it

Refraction – The bending of light as it passes from one substance to another with the bending caused by the difference in density between two substances

Shadow – A dark area or shape produced by a body coming between rays of light and a surface

Spectrum – A band of colours, as seen in rainbows, produced by separation of the components of light by their different degrees of refraction



Translucent, Transparent & Opaque

