Year 6 Science - Autumn 2 - ***Light***

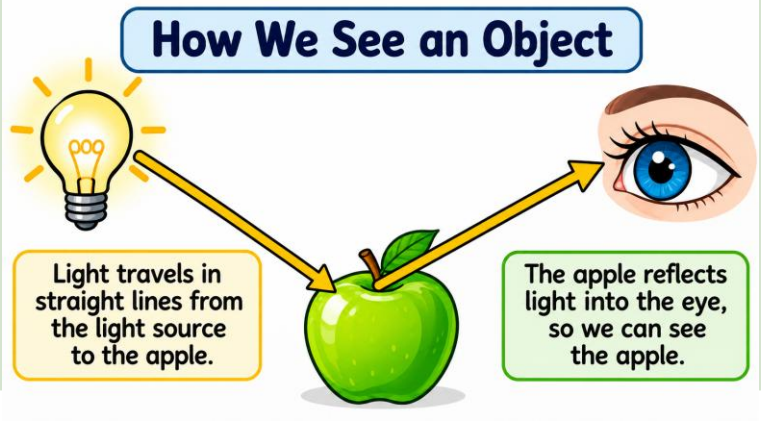
What I should already know

- ***Darkness*** is the absence of **light.**
- How we see objects in light.
- It is dangerous to view the sun directly.
- The meanings of ***transparent, translucent and opaque.***
- How ***shadows*** are formed and change size: When ***light*** is blocked by an ***opaque*** object, a dark ***shadow*** is formed. The further the light source the smaller the shadow.

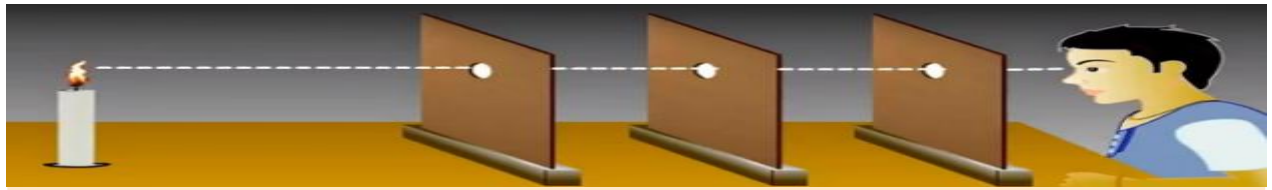
What I will know by the end of the unit

- Light travels in straight lines called rays or beams of light.
- Light reflects off all objects unless they are black.
- Non shiny surfaces scatter the light so we don't see the beam.
- Animals see light sources when light travels from the source into their eyes.
- Animals see objects when light is reflected off that object and enters their eyes.

How we see



Light travels in straight lines



Key Vocabulary

Angle	The direction from which you look at something.
Darkness	The absence of light.
Dim	Light that is not bright.
Emit	To emit a sound or light means to produce it.
Light	A brightness that lets you see things.
Mirror	A flat piece of glass which reflects light.
Opaque	You cannot see through an opaque object.
Reflection	When light bounces off a surface changing the direction of a ray of light.
Shadow	A dark shape that is made on a surface when light is blocked.
Translucent	Some light can pass through this object but you can't see things clearly because the light is scattered.
Transparent	You can see things clearly through transparent objects.