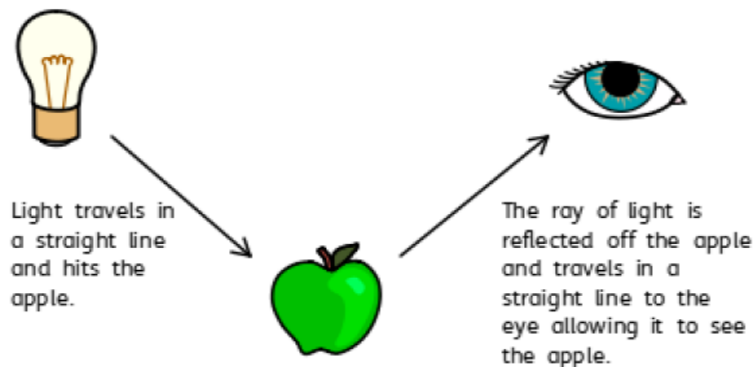


Core Knowledge—How we see



- Light rays are projected from the light source (e.g. the sun, a torch).
- These light rays travel in a straight line until they meet an object.
- The light rays are then reflected off the surfaces they meet. This changes the direction in which light is travelling.
- The light rays enter the eye which sends signals to the brain it can process to make an image.
- All of the objects we can see are only visible when light has reflected from the objects into our eyes.

Scientific Enquiry

Engaging in practical enquiry to answer questions.

Answering questions and concluding.

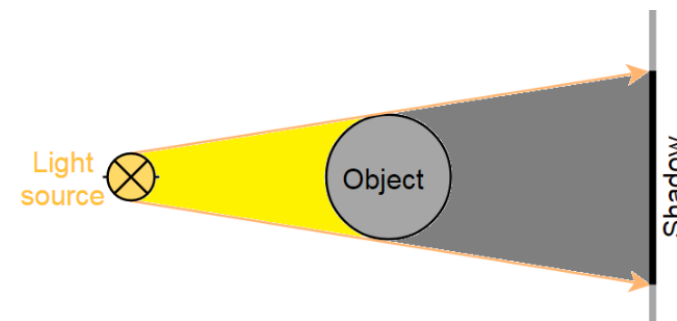
Game

[Year 6 Light - Diagram of The Eye - Teaching resource](#)

Key Vocabulary

Vocabulary	Definition
light rays	Light travelling in any one direction in a straight line.
opaque	An object which does not allow light to pass through (e.g. wood).
translucent	An object which allows some light to pass through it. It may be possible to see some unclear images through the object (tissue paper).
transparent	An object which allows light to pass through it so that objects behind it can be easily seen (glass).

Core Knowledge—Shadows



Objects that block light (are not fully transparent) will cause shadows. Because light travels in straight lines the shape of the shadow will be the same as the outline shape of the object.