

Key Vocabulary

Light source - a natural or artificial source of light.

Straight lines - light travels in straight lines. light ray Each line of light travelling in a straight line from its place of origin.

Reflect - to throw back light from a surface.

Shadow – a dark area created where light from a light source is blocked by an object. The object blocking the light will be opaque or translucent.

Year 6 Light

What is light?

Light is a form of energy that enables us to see all the things around us.

The main **source of light** on the earth is the sun. Light also comes from other sources such as fire, stars and man-made light sources such as light bulbs and torches.

What are shadows?

When an object passes in front of a beam of light, the light can be blocked, making a shadow.

Opaque objects let no light through.

Translucent objects let some light through.

Transparent objects let all light through

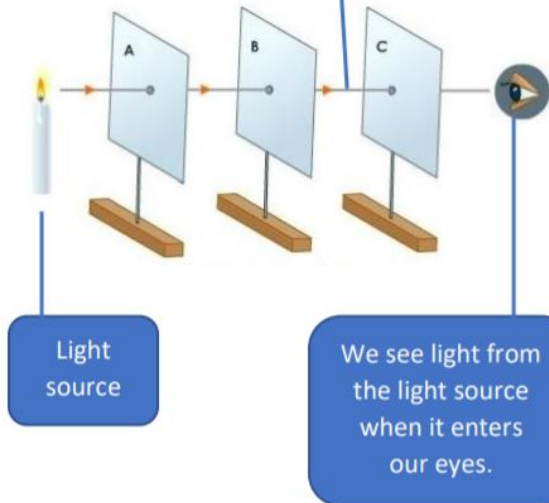
The closer an object is to the source of light the bigger the shadow.

Shadows from the sun can be used to tell the time in a sundial.

Shadows are the same shape as the objects which cast them because light travels in straight lines

Light travels in a straight line:

We can use an arrow to represent the path of the light.



Shadows have the same shape as the objects that cast them:

