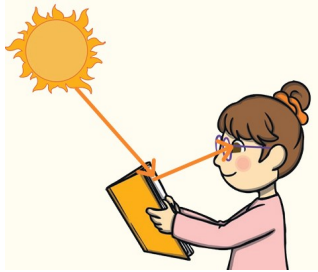


Core Knowledge—How we see



Sources produce their own light that travels in straight lines.



We see objects because our eyes can sense light.

Dark is the absence of light. We cannot see anything in complete darkness. Some objects, for example, the sun, light bulbs and candles are sources of light.

Objects are easier to see if there is more light. Some surfaces reflect light. Objects are easier to see when there is less light if they are reflective.

The light from the sun can damage our eyes and therefore we should not look directly at the sun and can protect our eyes by wearing sunglasses or sunhats in bright light.



Scientific Enquiry

Asking questions and recognising they can be answered in different ways.

Recording and presenting evidence.

Game

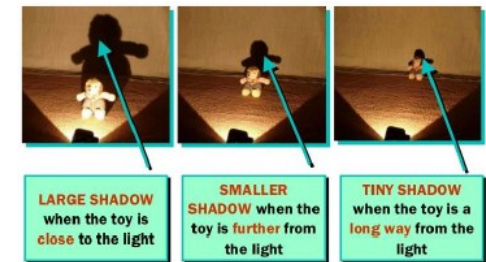
[Year 3 Light - Key Knowledge Light Sources - Teaching resource](#)

Key Vocabulary

Vocabulary	Definition
light source	An object that produces light.
opaque	A material you cannot see through (e.g. wood).
reflective surface	A surface that can bounce light back.
translucent	A material that lets light pass through, but not detailed shapes (e.g. tissue paper).
transparent	A material that lets light pass through so objects behind can be seen clearly. (e.g. clear glass)

Core Knowledge—Shadow

Shadows are formed on a surface when an opaque or translucent object is between a light source and the surface and blocks some of the light.



The size of the shadow depends on the position of the source, object and surface.

