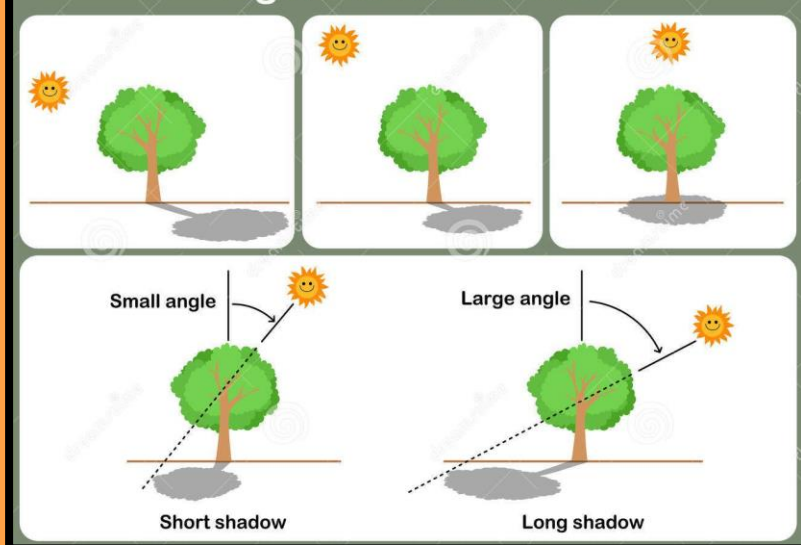


Key Facts

- We need light to see things.
- Darkness is the absence of light.
- There are many natural (nature) and artificial (man-made) light sources. The moon is not a light source but a reflector of light.
- Light travels in straight lines and only changes direction when reaching a reflective object. Light reflects off shiny, smooth objects and changes the direction of the light.
- The sun can be dangerous for both our eyes and our skin due to its UV and infrared light. It's important that we don't look directly at light and we wear protective items when we are outdoors.
- Shadows are formed by an object blocking the light.
- Different materials create darker and clearer shadows.
- We can change shadow size and clarity by changing the angle we hold a light source.



Light and Shadows



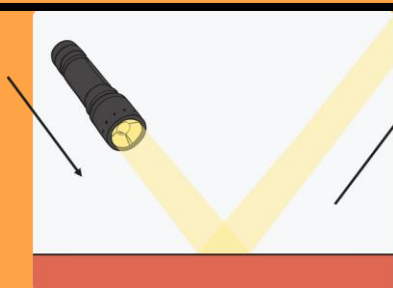
Working Scientifically

- By looking for patterns in what happens to shadows when the light source moves or the distance between the light source and the object changes.

LINKS IN THE CURRICULUM:

Year 6 - Light and Astronomy and the eye.

Light from the torch hits the object.



The light is reflected from the object.

KEY VOCABULARY

Translucent	A material that lets light pass through but objects on the other side can't clearly be seen.
Transparent	A material that lets light pass through and is see through.
Opaque	A material that doesn't let light through.
Light	The bright form of energy given off by something so we can see.
Light source	Something light comes from.
Shadow	A dark shape made when something blocks light.
Reflect	To bend or throw back light off a smooth, shiny surface.
Reflective	The return of light from a surface.
Direction	The line in which something moves.
See	To notice something using your eyes.
Dull	Something that isn't glossy.
Shiny	Something with a smooth, glossy surface.
Conclude	To come to an end.
Fair	Not favouring one over another.