

KNOWLEDGE ORGANISER
Year 3 Science
Light

Key Skills

- To recognise that they need light in order to see things and that dark is the absence of light.
- To notice that light is reflected from surfaces.
- To recognise that light from the sun can be dangerous and know that there are ways to protect their eyes.
- To recognise that shadows form when light from the light source is blocked by an opaque object.
- To find patterns in the way that the size of shadows change.

Vocabulary

light	A form of energy that travels in a wave from a source.
light source	An object that makes its own source.
dark	Dark is the absence of light.
reflection	The process where light hits the surface of an object and bounces back into our eyes,
reflect	To bounce off.
reflective	A word to describe something that reflects light well.
shadow	An area of darkness where light has been blocked.

Light Sources

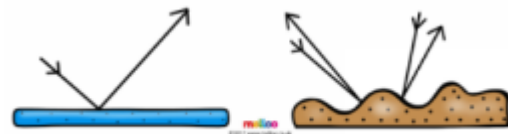
You need light to be able to see. It can be from natural or man-made sources.



Reflecting light

Light can be reflected.

When a beam of light is reflected from a surface, it changes direction. Smooth, shiny surfaces such as polished metals reflect light well. Rough and dark surfaces do not reflect light well.



Shadows

You can change the size and shape of shadows by placing the light source further away or closer to the object.

