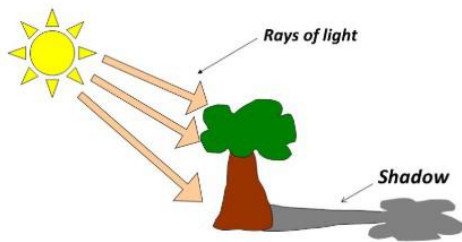


Science -Light



What I should already know

Certain things produce **light**, usually by burning (e.g. the Sun) or **electricity** (e.g. street **lights**)

- Shiny materials do not make **light** but do reflect it.
- Shadows** are caused when certain materials block **light**

Investigate!

Explore which objects form shadows when light is shone on them.

- How can you change the size and shape of **shadows** by using the same object?
- What happens when light is **reflected** from a **mirror**? What happens when the **angle** of the **mirror** (or light **source** changes?)

Key Vocabulary

light	a brightness that lets you see things.
mirror	a flat piece of glass which reflects light , so that when you look at it you can see yourself reflected in it
reflection	sent back from the surface and not pass through it
reflective	or a surface that reflects light
shadows	a dark shape on a surface that is made when something stands between a light and the surface
source	where something comes from
translucent	if a material is translucent , some light can pass through it
transparent	If an object or substance is transparent , you can see through it
opaque	if an object or substance is opaque , you cannot see through it

What I will know by the end of the unit

We need **light** so that we are able to see in the **dark**.

- This is because the **dark** is the absence of **light**.

Light travels in straight lines.

- When **light** is blocked by an **opaque** object, a **dark shadow** is formed.

Find patterns in the way that the size of the shadows change.

Recognise that light from the sun can be dangerous and that there are ways to protect our eyes.



