



What should I already know?

- The sun gives us light during the day.

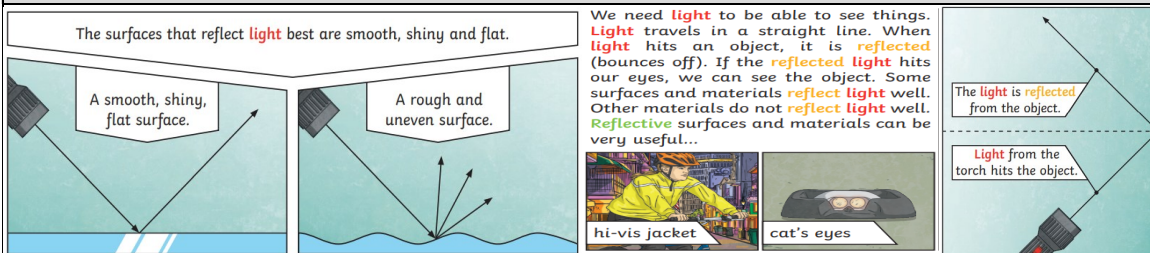
What will I know by the end of this unit?

- That we need light in order to see.
- To learn about how light from the Sun can be dangerous and how we can protect ourselves.
- To investigate what shadows are and why they are formed.
- To investigate how shadows behave.
- To investigate how the size of shadows change throughout the day.
- To explore how light is reflected from surfaces.
- To investigate how we use reflective materials in everyday life.

Vocabulary:

light	A form of energy that travels in a wave from a source.
light source	An object that makes its own light.
dark	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.
ray	Waves of light are called light rays. They can also be called beams.
translucent	Some light passes through it, but the light is scattered, so you can't clearly see through it.
transparent	Light completely passes through it, so you can see clearly through it.
opaque	Cannot be seen through and does not allow light to pass through it.

Diagrams



Working scientifically

- I will be able to ask questions about light and shadow.
- I will be able to classify natural light sources and artificial light sources.
- I will be able to observe shadows over time.
- I will be able to record data on how light is reflected from surfaces.

Cultural Capital - (including focused text / WOW moment / visitors / trips / fieldwork)

Investigating how the size of shadows change throughout the day—outside.