



Endpoints for Science

Year 3 – Light and Shadows



In this topic, we be learning about light and dark, reflections and shadows. We will also be discussing the risks associated with the Sun.

What I know and can explain

Light is a form of energy that travels in straight lines from a light source

Dark is the absence of light and we need light to be able to see

The main natural light source on Earth is the Sun

A shadow is an area of darkness made when an object blocks light

A light source is something that produces light

A reflector is something that reflects light

Light from the Sun is damaging for vision and the skin

Shadows always appear on the opposite side of the light source

Transparent objects allow light to pass through them and do not create shadows

Useful Vocabulary

Darkness - The absence of light

Light - A form of energy that travels in straight lines and makes objects visible

Light source - Something that produces light. It can be natural, such as the Sun, or artificial, such as a light bulb

Opaque - A material that does not allow light to pass through and cannot be seen through

Reflective - To be able to reflect light from its surface

Shadow - An area of darkness created when an object blocks light

Transparent - A material that allows light to pass through and can be seen through