



Endpoints for Science

Year 3 – Sunlight 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
A light source is something which produces light
Some light sources are natural, like the Sun or a firefly. Some light sources are artificial, like a light bulb or a candle
A light reflector does not make its own light. Instead, it reflects light from a light source
A shadow is an area of darkness made when an object blocks light
The shape of a shadow is the same as the object that created it because light travels in straight lines
Shadows change shape and size when the light source moves
Light from the Sun is damaging to vision and the skin
People can protect themselves from the Sun by using sun cream, wearing sun hats and sunglasses and by staying indoors or in the shade

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