

Science - Light

Please help your child with their learning by going through this fact sheet with them. They will be quizzed on this at the end of half term. We appreciate your support.

A shadow is always the same shape as the object that cast it.

A source of light is something that gives out light.

A shadow is created when an opaque object is in the path of light.

Light waves travel out from sources of light.

Reflection is when light bounces off a surface, changing the direction of a ray of light.

Shadows can be elongated or shortened depending on the angle of the light source.

Different colours and materials can affect how light is reflected.

Light travels from source, to an object, then to our eyes.



'Cat's Eyes' help drivers see the road by reflecting light from headlamps.

Key Vocabulary

Light - a form of energy that travels in a wave from a source.

Light Source - an object that makes its own light.

Reflection - is when light bounces off a surface, changing the direction of a ray of light.

Shadow - an area of darkness where light has been blocked.

Transparent - describes objects that let light travel through them easily, meaning you can see through the object.

Translucent - describes objects that things let some light through, but scatters the light so we can't see through them properly.

Opaque - describes objects that do not let any light pass through them.

Light from the sun travels in a straight line.