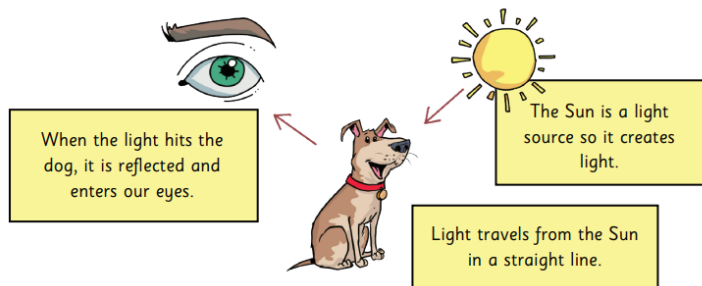


Year: 3
Term: Summer 1
Topic: Physics - Light

A light source makes light. The Sun and other stars, fires, torches and lamps are all light sources.



We can see things because light is **reflected**. Some materials reflect light better than others. **Light travels in straight lines**. When light from an object is reflected by a surface, it changes direction.



The Sun is the biggest light source we use. It is a giant ball of hot, burning gas. It can damage our eyes if we look directly at it. We should protect our eyes from the Sun by wearing sunglasses and a hat.



Darkness is what happens when there is an absence of light.
When there is no light, it is dark.

Objects are either **opaque**, **translucent** or **transparent**.

Opaque objects let no light pass through.

Translucent object let some light pass through.

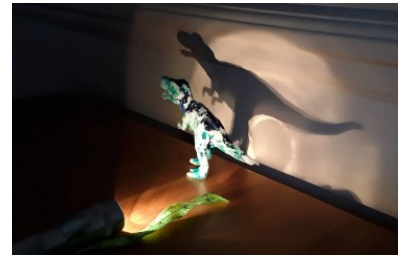
Transparent objects let light through.



A **shadow** is made when an object blocks light.

A **shadow** is a dark area or shape

caused by a solid object blocking the rays of light from a light source.



Glossary

- dark** The absence of light.
- light source** Something that emits light.
- luminous** Giving off light, bright or shining.
- opaque** Opaque materials do not let any light pass through them and they block the light.
- reflect** A surface (or body) that throws back light without absorbing it.
- shadow** An area where direct light from a light source cannot reach due to obstruction by an object.
- translucent** Translucent materials let some light through, but scatter the light in all directions so that they cannot see clearly through them.
- transparent** Transparent materials let light pass through them in straight lines so that you can see clearly through them.

