

Steps through Learning Science : Light and Shadow

Vocabulary that I will learn and use during this unit of work

Absorb dark energy

light light source

Mirror opaque reflect

shadow transparent

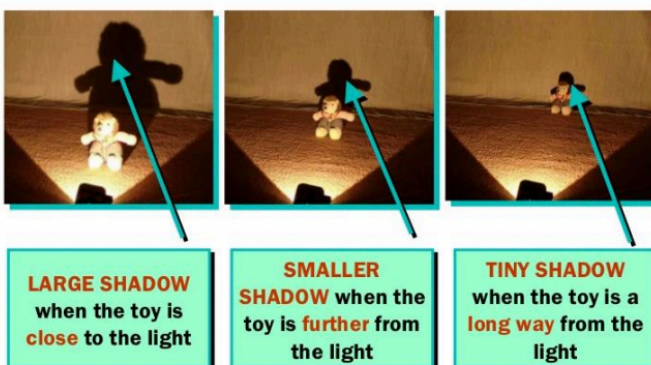
Translucent

Sticky knowledge about

- Darkness is the absence of light
- We need light in order to see
- Light from the Sun can be dangerous
- Light travels in straight lines
- Shadows are formed when an object blocks light from passing through it
- Light can be reflected off surfaces

Key facts

1	Light travels in a straight line
2	Light travels faster than sound.
3	A light year is a unit of measurement for distance. It is the distance light can travel in a year.
4	The size and shape of a shadow changes based on the distance and angle compared to the light source.
5	Darkness is caused by the absence of light.
6	The moon does not emit its own light – it reflects the sun.
7	Ultraviolet (UV) light is a type of radiation which you can't see but can be dangerous. UV rays can come from the sun.



As the **light source** moves **higher** in relation to the **object**, the **shadow** gets **shorter**. As the **light source** moves **lower**, the **shadow** gets **longer**.

