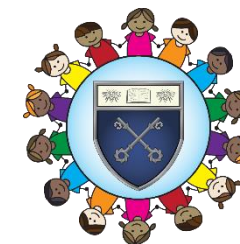


Year 3- Light



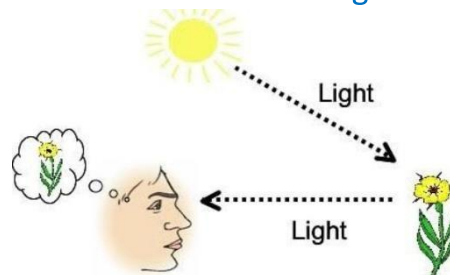
Key Vocabulary

light	A form of energy that travels in a wave from a source.
see	We see with our eyes when light bounces off an object and the reflected light hits our eyes.
dark	The absence of light.
reflect	To bounce off.
reflective	A surface or material that reflects light well.
shadow	An area of darkness where light has been blocked.
light sources	The sun, fire, candles, light bulbs, televisions and torches are light sources.
natural light	Light that comes from the sun, moon, stars and fire.
artificial light	Light that comes from torches, light bulbs, candles, street lights and phone-screens.
opaque	Opaque objects don't let light pass through them.

Did you know?

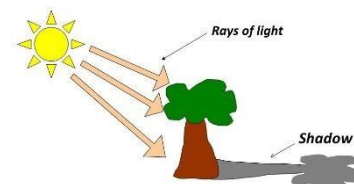
A mirror is not a light source but reflects light very well, so they create a clear image. An image in a mirror appears to be reversed. If you look in a mirror and raise your right hand, the mirror image appears to raise its left hand.

How we see things



Shadows

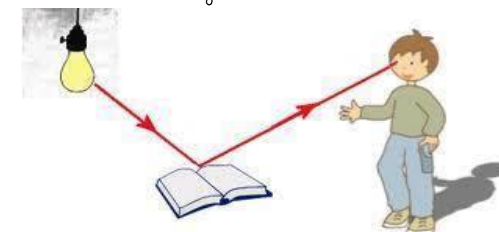
Shadows are formed when a light source is blocked by an opaque item.



Shadows change size and shape depending on where the light source is coming from and how far away it is from the object.

Key knowledge

We need light in order to see things. Light travels in a straight line and is only stopped when something solid gets in the way. When light hits an object, it is reflected (bounces off). If the reflected light hits our eyes, we can see the object.



Some surfaces and materials reflect light well such as, smooth, flat shiny surfaces. A rough, uneven surface will not reflect light well. Reflective surfaces and materials can be very useful to keep us safe. For example, wearing hi-visibility jackets and cat's eyes on a road.

Have fun and stay safe in the sun



It is very important that you protect your eyes from the sun by wearing sunglasses, a hat and stay in the shade. **NEVER** look directly at the sun even if you are wearing sunglasses and a hat.