

Key Vocabulary

Light – a form of energy that travels in a wave from a source

Light Source – an object that emits its own light

Dark – dark is the absence of light

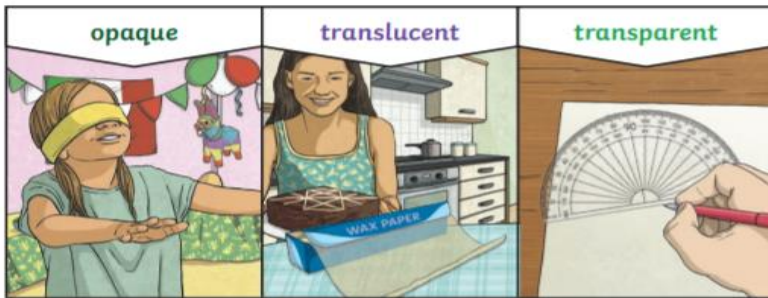
Opaque – a material which light cannot pass through at all.

Transparent – a material through which light can pass completely. They are also called see-through objects.

Translucent – a material through which light can pass partially, we can partly see through these objects.

Reflects – when a light ray hits a surface and bounces off

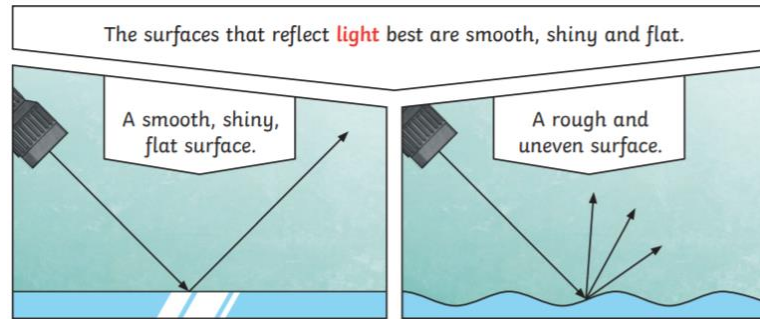
Shadow – a dark shape that appears on a surface when something stands between the light source and the surface



Year 3 Light

Reflection

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 material reflect light well and some do not reflect light well.



The sun

- The light from the sun can be dangerous.
- It can damage our eyes.
- We must never look directly at the sun.
- We can protect our eyes by wearing sunglasses or sunhats in bright sunlight.



Why do we need light?



We need light to see things.

If it's completely dark then there is no light.

The more light there is, the easier it is to see objects.



Shadows

When light is blocked by an opaque object a dark shadow is formed.

The size of the shadow changes as the light source moves, the further away from the light source the smaller the shadow is and the closer the light source is to the object the bigger the shadow. The angle of the light source also makes a difference to the size of the

