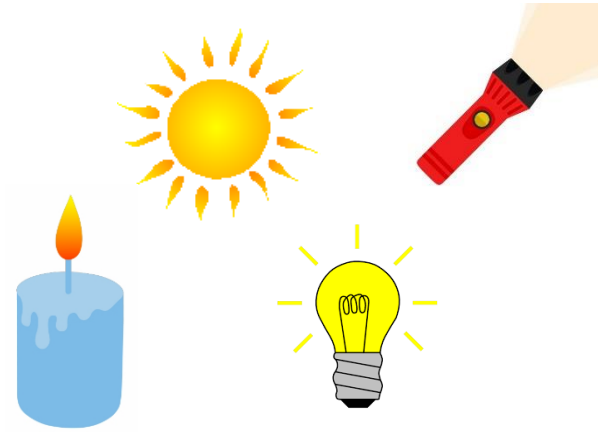
Science – Light – Year 3 – Autumn 1

Vocabulary Top Ten:

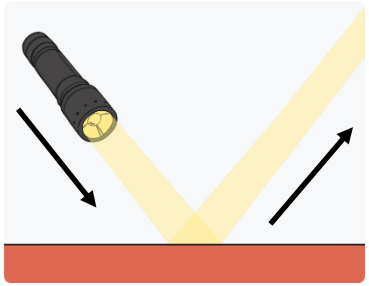
block	not allowing something to pass (opaque objects block light)
bright	something that is filled with or gives off a lot of light
darkness	the absence of light
dim	lacking in brightness and badly lit
light source	an object that produces its own light e.g. the sun
opaque	something you are not able to see through
reflection	when light hits a surface it 'bounces' off
shadow	the dark shape made when something blocks light from a light source
translucent	something that allows some light to travel through it
transparent	something that allows light to travel through it

Sources of Light



Reflection

Light from the torch hits the object.



The light is reflected from the object.

Key Facts:

Light travels in a straight line.
Light travels faster than sound.

<u>Sun</u>

The sun emits (gives out) rays of light.
We can't see all the types of light that come from the sun.
The visible spectrum is the name for the light that we can see, and is made up of the colours of the rainbow:





<u>Sun Safety</u>

Light from the sun can be dangerous.
UV light causes sun burn, wrinkles and skin cancer, damages the eyes and can change the colour of some materials.

Sunglasses have a UV rating to show how well they block UV rays. Wearing sun cream and a sun hat are important too.
UVA causes the skin to age.
UVB causes the skin to burn.

Light travels in straight lines, when it hits an object, the light is blocked creating a shadow.

