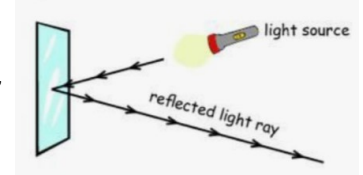


Year 3—light

New Vocabulary	
Shadow	The area of darkness formed when an object blocks light.
Light	A kind of energy that we can see - the glow produced by something hot
Reflect	To throw back light without absorbing it.
Source	A place or thing where something originates from.
Direction	The way that something is moving.

The sun
<p>The sun is our main source of light. The sun gives out UV rays of light and these can be dangerous to us. UV light is invisible but we can feel the effects it has on us.</p> <p>UV light can:</p> <ul style="list-style-type: none"> • Cause sun burn • Give us wrinkles • Can damage our eyes • Can be bad for our skin • It can also cause some materials to change colours <p>We can protect ourselves by:</p> <ul style="list-style-type: none"> • Not looking directly at the sun • Wearing sun glasses • Wearing sun cream • Staying out of the sun for long periods of time

Light
<p>We need light in order to see. Without light, there is darkness. Light can come from different sources including, the sun and other stars, lamps and lightbulbs, and fire.</p> <p>Light can be reflected from shiny surfaces, such as mirrors and polished metal. When light is reflected from a surface, it changes direction.</p>



Shadows
<p>Opaque objects: An object which no light can pass through. You cannot see through an opaque object.</p> <p>Translucent objects: Objects which let some light through. You can partially see through these objects.</p> <p>Transparent objects: Objects which light passes through. You can see through these objects, they look clear, like glass.</p> <p>When something blocks light, a shadow is formed behind this.</p> <p>When a light source hits an opaque or translucent object, shadows are formed behind the objects.</p> <p>Shadows change depending on the position of the light source. The closer the light source is, the bigger the shadow is. The further away it is, the smaller the shadow because the object blocks less light .</p> <p>We see shadows of ourselves when we are outside in the sunlight. Our shadows will look different at different points in the day because the sun moves.</p>

