

# LKS2 – Light

1. Give a range of light sources.	The sun, lightbulb and candle.
2. Give a range of reflective materials.	Mirrors, glass, water and foil.
3. How can you protect yourself from the sun?	Sun hat and glasses.
4. How are shadows formed?	From blocking light.

## Progression strands

Can they recognise that they need light in order to see things? Can they recognise that dark is the absence of light? Can they notice that light is reflected from surfaces? Can they recognise that light from the sun can be dangerous and that there are ways to protect their eyes? Can they recognise that shadows are formed when the light from a light source is blocked by a solid object? Can they find patterns in the way that the size of shadows change? Challenge Can they explain why lights need to be bright or dimmer according to need? Can they explain the difference between transparent, translucent and opaque? Can they explain why lights need to be bright or dimmer according to need? Can they make a bulb go on and off? Can they say what happens to the electricity when more batteries are added? Can they explain why their shadow changes when the light source is moved closer or further from the object?

Key word	Definition
Light	The natural agent that stimulates sight and makes things visible.
See	To perceive with the eyes.
Dark	With little or no light.
Reflect	To throwback light without absorbing it.
Surface	The outside part of something.