

Science Focus:

Light

Year 3

Summer Term 2

Key Knowledge

Light

Light	Light is needed to see things It travels in a straight line When light hits an object, it is reflected back into our eyes so we can see things
Sources of light	- Sun - Stars - Flame (e.g. fire, candles) - Electric lights
Dark	The absence of light
Sun	Eyes can be damaged by looking directly into the sun and there are ways to protect this from happening
Reflective surfaces	These surfaces bounce the light back from their surface (e.g. moon, mirror) Some surfaces reflect light better than others
Shadows	Shadows are formed when opaque objects block light The closer an object is to the light source, the more light it blocks, creating a bigger shadow If an object is farther away from a light source, it does not block much light so the shadow is smaller

Key Vocabulary

Spelling

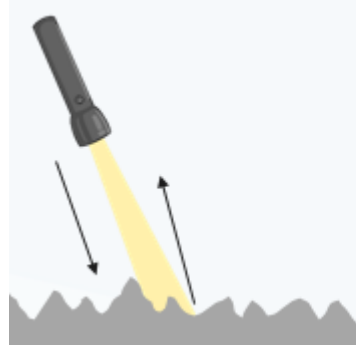
Definition/Sentence

UV Light	UV light comes from the sun and can damage our eyes amongst other things
UV Rating	A UV rating shows how well sunglasses block UV rays
Opaque	Opaque objects do not let light through (e.g. wooden door, curtains)
Translucent	Translucent objects let some light through but scatter it so we cannot see through them properly (e.g. shower curtain, bathroom window)
Transparent	Transparent objects let light through them easily (e.g. glass window, glasses)

Diagrams and Symbols



When the light rays hit the smooth mirror, they all bounce off at the same angle, creating a clear reflection.



When the light rays hit a rough surface, they scatter in all different directions, so it doesn't reflect well.