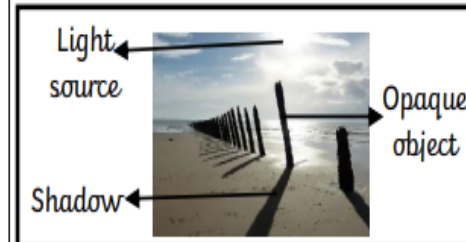


Key Vocabulary

Light source	An object that emits light around itself.
Illuminate	A verb meaning to light up. E.g. <i>A flash of light illuminated the house.</i>
Opaque	Not able to see through (not transparent).
Translucent	A material allowing light, but not detailed shapes, to pass through (semi-transparent).
Transparent	A material allowing light to pass through so that objects behind can be seen clearly.
Shadow	An area of darkness produced by an object coming between rays of light and a surface.
Sound	Vibrations that travel through the air or another medium and can be heard when they reach a person's or animal's ear.
Source	A place, person or thing, from which something begins or can be found.
Vibration	A synonym for quiver and shake.
Battery	A container in which chemical energy is converted to electricity to be use as a source of power.
Light bulb	Inserted into a lamp or socket providing light when supplied with electrical current.
Candle	A block of wax with a central wick which is lit to produce light as it burns, using the wax for energy.
Dark	The absence of light in a place.
Flame	A hot glowing body of ignited gas that is generated by something on fire.
Torch	A portable battery-powered electric lamp.
Quiet	making little or no noise.
Loud	producing or capable of producing much noise.



These are shadow puppets. You hold them between a light source and a surface.

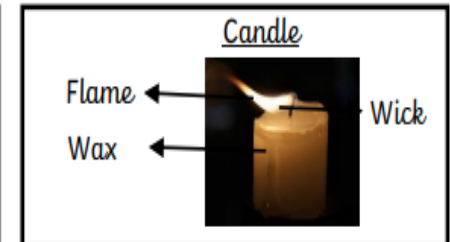
- You can create performances.
- Try making your very own and exploring shadows.



Different materials make different types of shadow.

- Transparent objects make very pale shadows.
- Translucent shadows make light shadows.
- Opaque objects make dark shadows.

Make shadow puppets using different materials and explore how the shadows change.



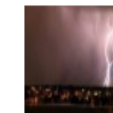
Sources of Light



Fireworks



Candle



Lightening



Fire



Lamp



Sunlight



Torch