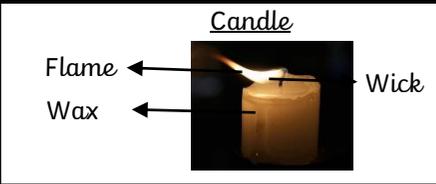
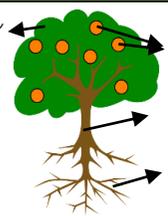


Key Vocabulary	
Light source	An object that emits light around itself.
Illuminate	A verb meaning to light up. E.g. <i>A flash of light illuminated the house.</i>
Opaque	Not able to see through (not transparent).
Translucent	A material allowing light, but not detailed shapes, to pass through (semi-transparent).
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.

Celebration lights	
 <p>Light source → Opaque object → Shadow</p>	 <p style="text-align: center;"><u>Candle</u></p> <p>Flame ← Wick Wax ←</p>
<p>These are shadow puppets. You hold them between a light source and a surface.</p> <ul style="list-style-type: none"> You can create performances. Try making your very own and exploring shadows. 	
<p>Different materials make different types of shadow.</p> <ul style="list-style-type: none"> Transparent objects make very pale shadows. Translucent shadows make light shadows. Opaque objects make dark shadows. <p>Make shadow puppets using different materials and explore how the shadows change.</p>	
<p style="text-align: center;"><u>Sources of Light</u></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Fireworks</p> </div> <div style="text-align: center;">  <p>Candle</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>Lightening</p> </div> <div style="text-align: center;">  <p>Fire</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>Lamp</p> </div> <div style="text-align: center;">  <p>Sunlight</p> </div> </div> <div style="text-align: center; margin-top: 20px;">  <p>Torch</p> </div>	

Celebration sounds	
 <p>These are all different types of drum, used to make sounds during many celebrations.</p> <ul style="list-style-type: none"> Hitting the drum causes air to vibrate. This vibrating air travels in waves to your ear where the sound is detected. The harder the drum is hit, the louder the sound will be, because the air vibrates more. Hitting the drum in different places and with different materials will usually alter the sound being made. 	 <ul style="list-style-type: none"> Instruments can be made out of many everyday items. You might use plastic bottle lids instead of metal lids, and explore the difference in sound. You might use elastic bands to make a type of guitar, or a washing-up glove stretched over a container to make a drum.

Celebration foods	
 <p>Christingles</p>  <p>Spring rolls</p>  <p>Charoset</p>  <p>Dates</p>	 <p>Leaves → Fruit (from flowers) → Stem → Roots</p>  <p>Seeds</p> <p style="text-align: center;">When we eat fruit and vegetables we are eating a part of a plant.</p> <ul style="list-style-type: none"> Carrots are the roots of the carrot plant. The lettuce are the leaves of the lettuce plant. Celery is the stem of the celery plant. Strawberries are the fruit which grow from the flowers of a strawberry plant. Seeds come from the fruits, such as strawberries, which are grown from pollinated flowers of a plant. <p style="text-align: center;">These celebration foods are made from different fruits and vegetables.</p>

Quiz

Question 1

Complete this sentence: **Darkness is ...**

- A. an object that emits light around itself.
- B. the absence of light in a place.
- C. an area of darkness produced by an object coming between rays of light and a surface.
- D. not able to see through.

Question 2

Carrots are from what part of the carrot plant?

- A. Stem
- B. Leaves
- C. Flowers
- D. Roots

Question 3

Which of the following is not a source of light?

- A. Battery
- B. Light bulb
- C. Torch
- D. Firework

Question 4

Complete this sentence: **A flame is...**

- A. a verb meaning to light up
- B. a material allowing light to pass through so that objects behind can be seen clearly.
- C. A hot glowing body of ignited gas that is generated by something on fire.
- D. A block of wax with a central wick which is lit to produce light as it burns, using the wax for energy.

Question 5

Hitting a drum causes what to happen to the air?

- A. Vibrations
- B. Illuminations
- C. Shadow
- D. Flames

Question 6

Complete this sentence: **Seeds come from ...**

- A. the root of a plant.
- B. the stem of a plant.
- C. the fruits which are grown from pollinated flowers.
- D. The leaves of a plant.