

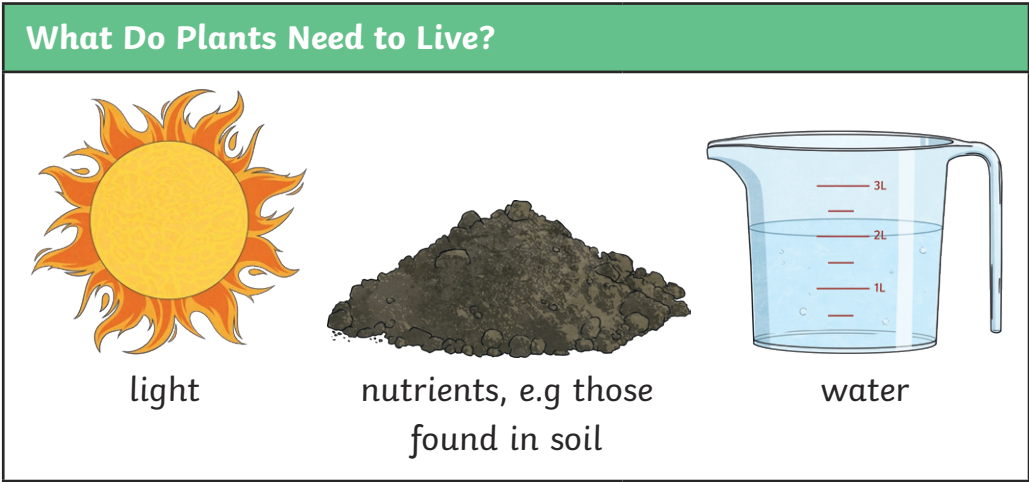
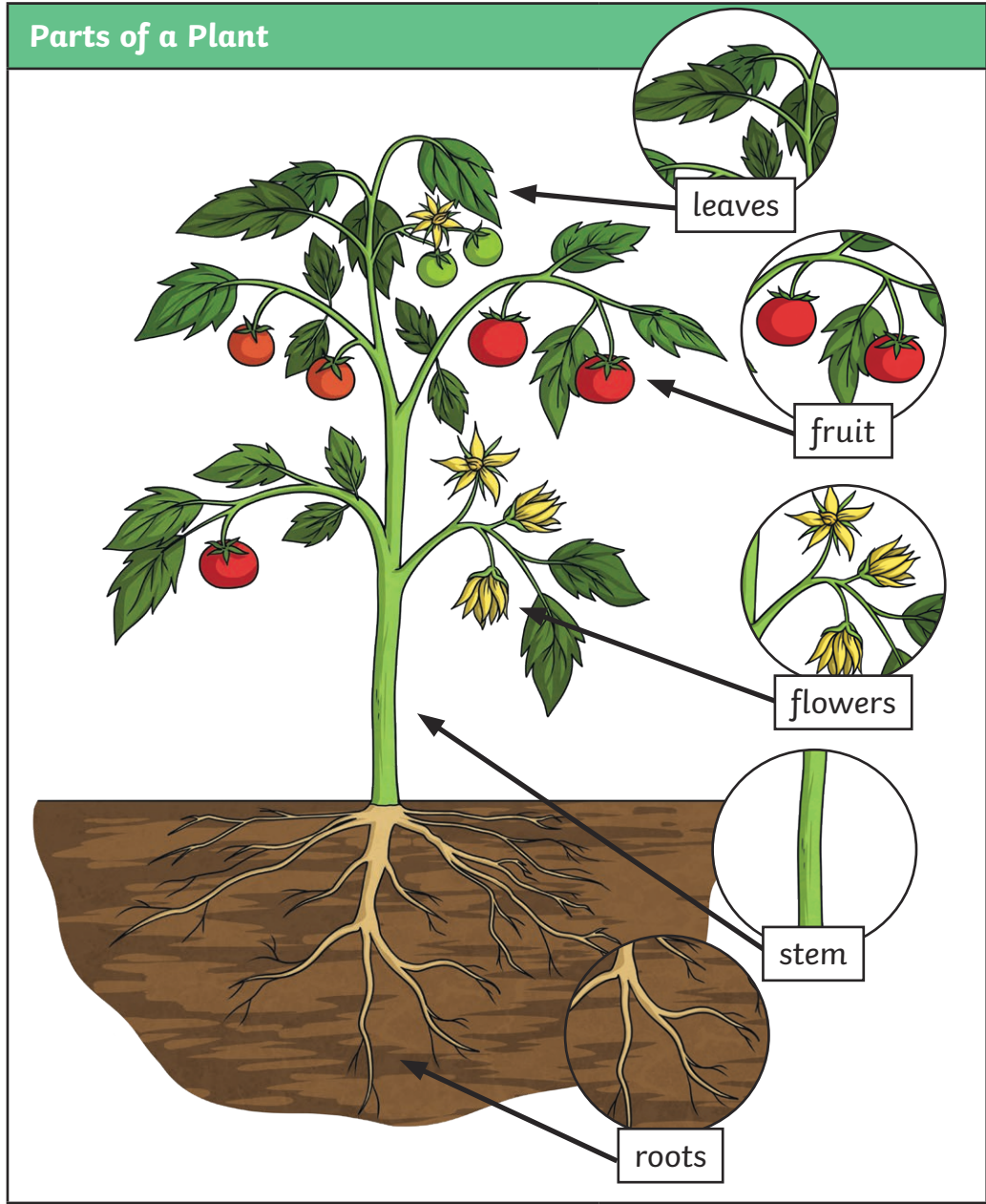
Key Vocabulary Overview	
<b>plant</b>	a living thing, usually grows in soil and most have leaves, roots and a stem
<b>leaf</b>	part of the plant that absorbs sunlight to make food
<b>stem</b>	part that transports water and nutrients around the plant
<b>roots</b>	anchor the plant and absorb water and nutrients from the soil, usually found underground
<b>flower</b>	a part of some plants that helps them reproduce
<b>soil</b>	the upper layer of the earth
<b>dissection</b>	carefully cutting apart an object to understand how it works
<b>nutrients</b>	substances that living things need to stay alive and healthy
<b>seed</b>	part of a plant that a new plant grows from

<b>weighing scales</b>	a type of equipment used to measure mass
<b>measuring cylinder</b>	a piece of equipment that measures volume
<b>water transportation</b>	the movement of water to another place
<b>seedling</b>	a young plant that has not yet grown to adulthood
<b>seed coat</b>	the protective outer layer of a seed
<b>germination</b>	the process of a seed sprouting
<b>reproduction</b>	the process of producing offspring
<b>petal</b>	modified, brightly coloured leaves of a flower
<b>stamen</b>	the male reproductive organ of a flower
<b>pistil</b>	the female reproductive organ of a flower
<b>reproductive organs</b>	male and female parts of a plant involved in making a seed

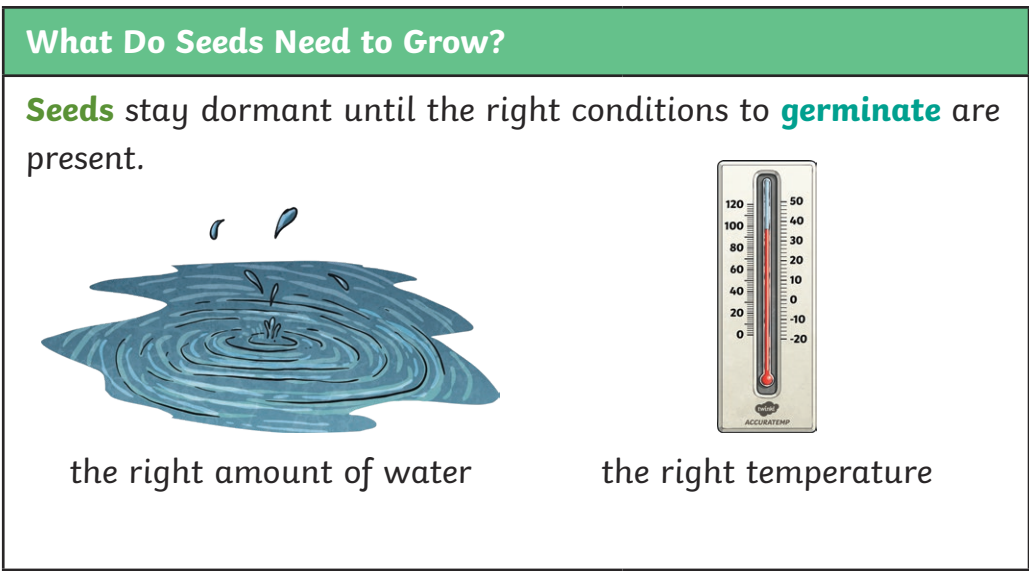
Key Vocabulary Overview	
<b>pollen</b>	a fine, powdery substance that contains male sex cells
<b>pollinator</b>	animal that transfers pollen
<b>pollination</b>	when pollen is moved from the male parts of a plant to the female parts
<b>seed dispersal</b>	how a plant ensures its seeds are spread as far away as possible for the best chance of germination
<b>wind dispersal</b>	where seeds are spread by wind
<b>animal dispersal</b>	where seeds are spread by the movement and actions of animals
<b>water dispersal</b>	where seeds are spread by water
<b>explosion dispersal</b>	where seeds are spread through the bursting of a seed pod

<b>life cycle</b>	a series of events that occur during the life of an organism, including birth, growth and reproduction
<b>measure</b>	to find the amount or size of something using an instrument with standard measurement units
<b>data</b>	information collected to answer a question

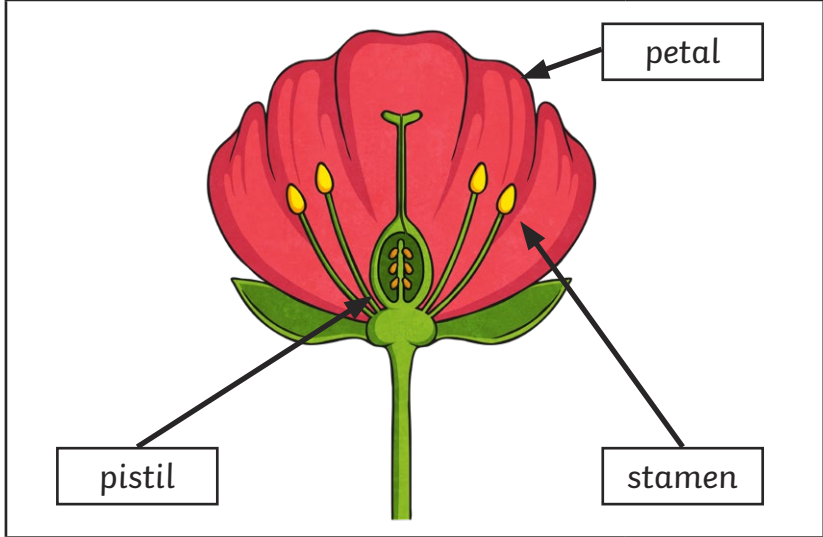




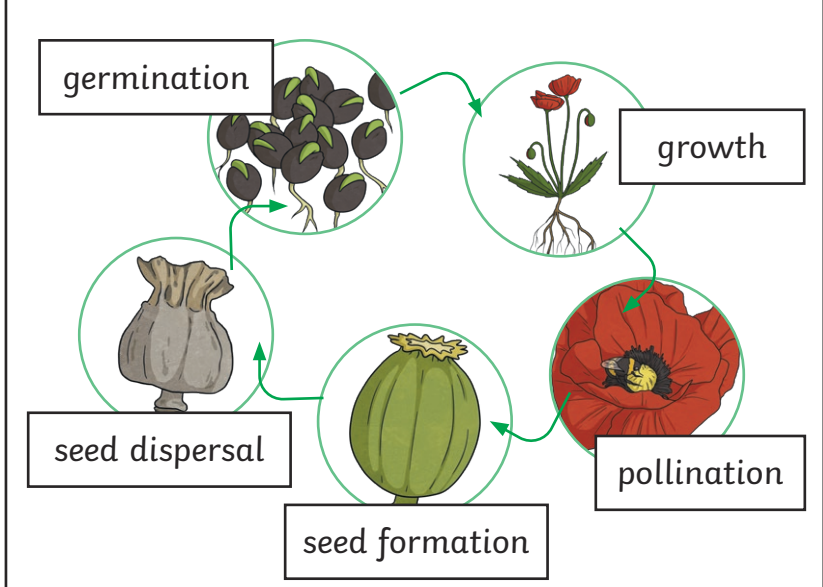
The **stem** and **roots** are both involved in transporting water and **nutrients** around the **plant**.



Parts of a Flower



Life Cycle of a Flowering Plant



The Process of Pollination

1. The **stamen** produces **pollen**.
2. **Pollinators** rub against the **stamen** and **pollen** is transferred to their bodies.
3. **Pollinators** move to another **plant** and the **pollen** on their bodies is transferred to the **pistil**.
4. **Pollen** from the **stamen** is combined with an egg cell in the **pistil** to create **seeds**.

The illustrations show: 1. A close-up of a flower's center with yellow pollen on the stamens. 2. A bee on a purple flower, with yellow pollen on its back. 3. A bee on a red flower, with yellow pollen on its back. 4. A close-up of a red flower's center with yellow pollen on the pistil.

Seed Dispersal

