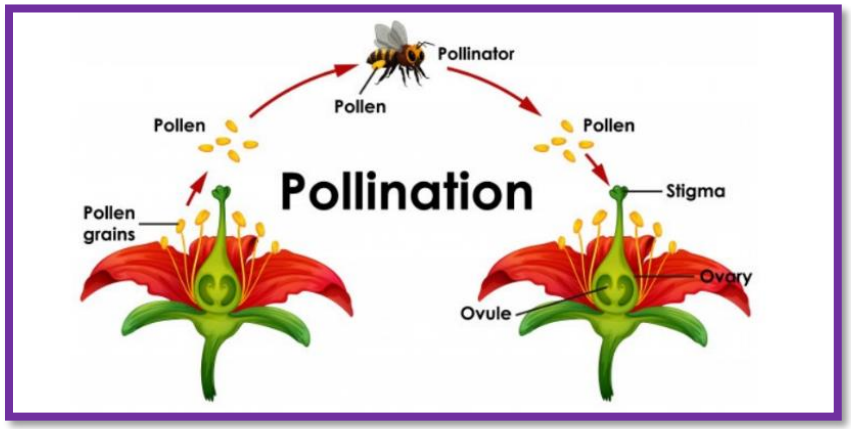
Year 3, Spring 2: What processes ensure the survival of flowering plants?

Key Vocabulary	
absorb	To take in (water, sunlight)
anchor	To hold something firm.
carpel	Female part of the flower – made out of ovary, style and stigma.
compost	Plant material that has rotted to provide nutrients
energy	What is needed to 'power' a process, e.g. making food.
function	The purpose or job that something has.
nectar	Sweet, sugary liquid made by plants.
nutrients	Substances that provide food for growth.
pollination	Where pollen is passed from the male part of a plant to the female part of another plant.
pollinator	Insects or wind that transports pollen.
reproduce	To make another living thing of your species.
scent	A pleasant smell attracting pollinators.
stamen	Male part of the flower – made up of anther & filament.
transport	To carry from place to place.
variable	The factor in an investigation that is changed.



Key Knowledge:

As well as water, light & warmth, plants need nutrients to grow that they get from the soil.

Plants make their own food in their leaves.

Each part of a plant has a function that helps the plant to survive.

The flower is key to the plant being able to reproduce – this is where pollination happens.

Plants reproduce through making seeds (and fruits).

Plants grow best when there is less competition for all that they need, e.g. water, nutrients, sunlight.

Plants have different ways to 'disperse' their seeds to give them the best chance to germinate and grow.

Function – Part of a Plant.

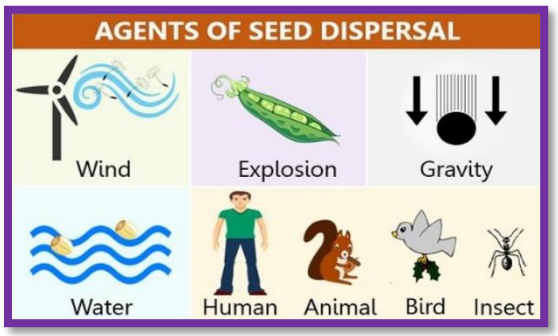
Flower: where pollination takes place leading to seeds being made to reproduce.

Roots: anchors the plant in the ground & absorbs water and nutrients from the soil.

Leaves: absorb energy from the sun to make a plant's food.

Stem: transports water to all parts of plant and lifts up leaves and flower.

Working Scientifically:	
	Do all plants need the same amount of 'soil' nutrients to grow well?
	Do bees prefer certain coloured plants to others?
	How is water transported within a plant?
	How can flowers be grouped according to their pollinators?



Structure of a Flower: