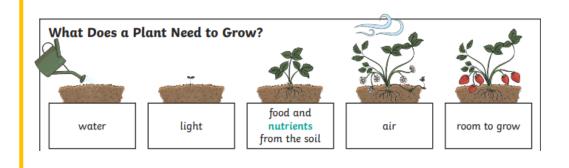
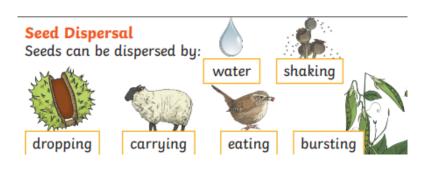
Science— Plants

Key Vocabulary	
carpel (pistil)	The female parts of the flower. Made up of the stigma, style and ovary.
fertilisation	When the male and female parts of the flower have mixed in order to make seeds for new plants.
flower	The colourful part of the plant that has petals to attract insects. Flowers are were the seeds are made.
germination	When a tiny new plants bursts outs of the shell of the seed.
leaves	Usually green in colour, the leaves are where food is made.
nutrients	The substances needed by living things in order to grow and survive. Plants get nutrients from the soil and absorb them through the roots.
pollination	When insects move pollen from the male anther to a female stigma.
reproduction	When a plant produces a seed which becomes a new plant.
roots	The part of the plant underground that anchors the plants in place. They absorb water and nutrients from the soil.
seed	The part of a plant that is made after the plant has flowered which it then drops so that it can become a new plant.
seed dispersal	When the seeds move away from the parent plant. They can be moved my the wind, water or animals.
sepal	Leaf-like structures that protect the flower and petals before they open.
shoot	The first part of the plant that grows upwards from the seed above the ground to find sunlight.
stamen	The male parts of the flower. The stamen is made up of the anther and the filament.
stem	Holds the plant up and carries water a nutrients from the roots to the leaves, and food from the leaves to the rest of the plant. The stem of a tree is called a trunk.





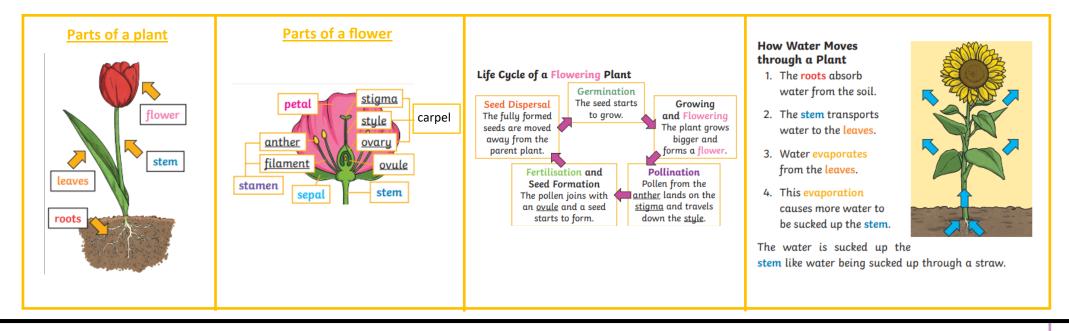
Key Facts

When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called **germination**. A shoot will then grow up and out of the soil in search of light. It will use the light, and the water and nutrients from the soil to grow bigger.

Plants need water, light, suitable temperature to germinate, grow and thrive. Different plants require different amounts of each thing for example, cacti live in the desert and need very little water whereas, a water lily needs to live in water.

The flowers have brightly coloured petal to attract pollinating insects to them. The female part of the flower (carpel) is made up of the stigma, style and ovary. The style holds up the stigma, the stigma collects pollen. The ovary contains the ovules that become seeds once fertilised.

The male part of the flower (the stamen) is made up of the anther and filament. The filament holds up the anther and the anther holds the pollen where the insects will rub against it, collecting pollen.



Tier 2

Vocabulary

environment The surroundings or conditions in which a person, animal, or plant lives.

structure The way in which something is built or organised.