

KS1 Science Knowledge Organiser

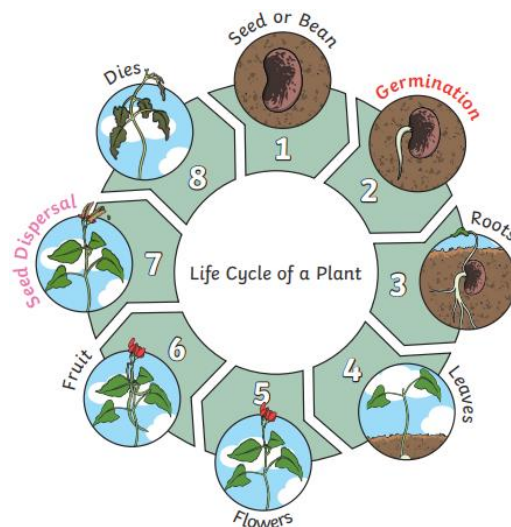
Topic: Plants (Y2 Unit)

Key questions:

- What do plants grow from?
- What happens to seeds and bulbs as they grow?
- What do plants need in order to be able to grow and stay healthy?
- Where do seeds and bulbs come from?

Key Information:

Seed dispersal	Seed dispersal is when the seeds move away from the parent plant. They can drop to the ground in the plant's fruit or be moved by wind or animals.
Germination	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.
Sunlight	Plants use the energy from sunlight to make their leaves green. Sunlight also allows plants to create their own food in their leaves. This is called 'photosynthesis.'
Water	Without water seeds and bulbs will not germinate and cannot grow. Water enters a plant through its stem and travels up to the leaves. When a plant has enough water, its leaves are strong and sturdy. Without enough water the leaves drop and wilt. Water carries nutrients from the soil into the plant. Water is also necessary for plants to be able to create their own food during 'photosynthesis'.
Temperature	If it's too hot or cold, plants will not grow well. They can be damaged or destroyed by frost. Nutrients and water are unable to flow through a plant if parts of it are frozen. If it is too hot, leaves may start to wilt and the plant may struggle to survive.



Did you know...?

- There are over 200,000 different plant species, however most of the food we eat comes from just 30 plants.
- Some plants like Venus flytraps are carnivorous. This means they eat other living things. They gain nutrients from some insects and spiders.
- Some plants live underwater. They are called aquatic plants.
- Glue used to be made from bluebell flower juice.
- Bamboo is the fastest growing woody plant. It grows about 80cm a day. That about as tall as your classroom tables.
- Herbs are plant with leaves, seeds or flowers that are used to add flavour to foods.

Key vocabulary

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| <ul style="list-style-type: none"> ● seed ● bulb ● germination ● shoot ● root | <ul style="list-style-type: none"> ● stem ● leaf ● flower ● fruit ● seed dispersal | <ul style="list-style-type: none"> ● water ● sunlight ● temperature ● nutrition ● conditions |
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