

Science Knowledge Organiser - Year 2

Unit: What do plants need and how do they grow?

Key Vocabulary:

cycle	A cycle is a series of events that repeat in the same order.
germination	When the conditions are right, a seed soaks up water and swells, and a tiny new plant bursts out of it. This process is called germination .
nutrition	Nutrition is food or nourishment.
seed	Plants produce seeds which are able to grow into another plant of the same type.
seed dispersal	Seed dispersal is when the seeds move away from the parent plant.
shoot	A shoot grows upwards from the seed or plant to find sunlight.
sprout	When a plant sprouts , it grows new shoots.
sunlight	Light from the sun is sunlight .
temperature	Temperature is how warm or cold something or somewhere is.
water	Water is a transparent liquid that has no odour or taste.

Science Skills:

- Observe and describe how seeds and bulbs grow into mature plants.
- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.
- Observe closely, using simple equipment.
- Perform simple tests.
- Use observations and ideas to suggest answers to questions.

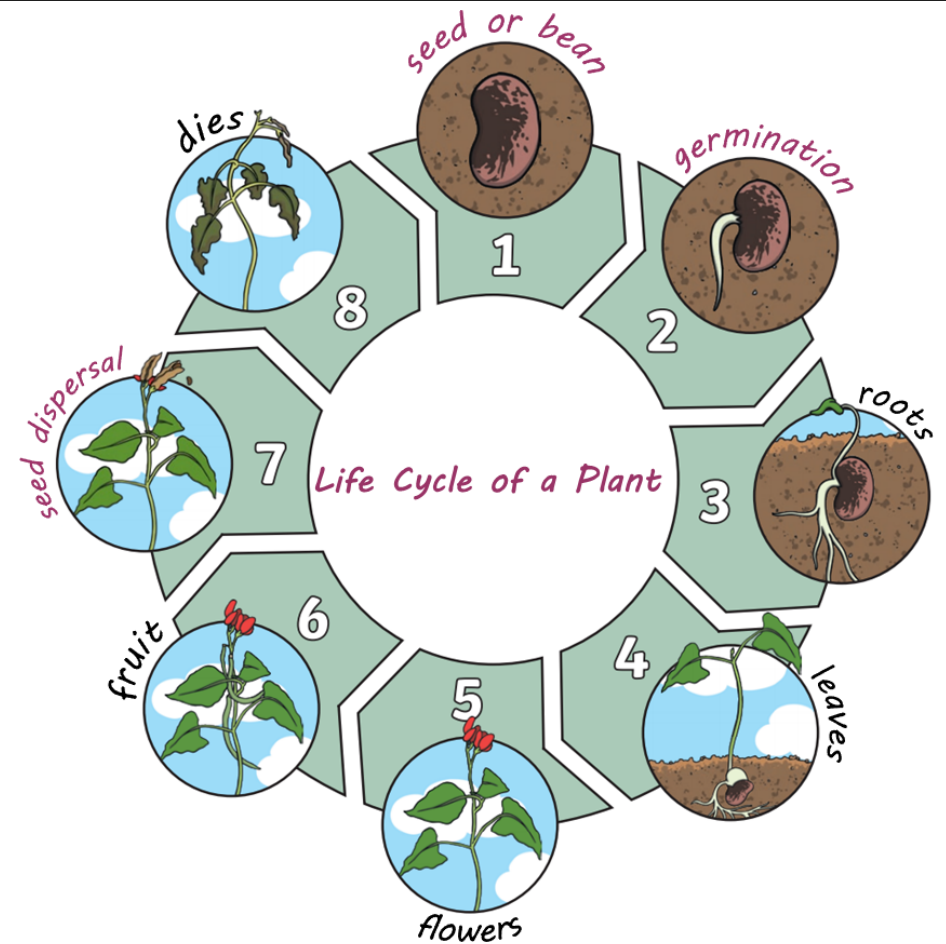
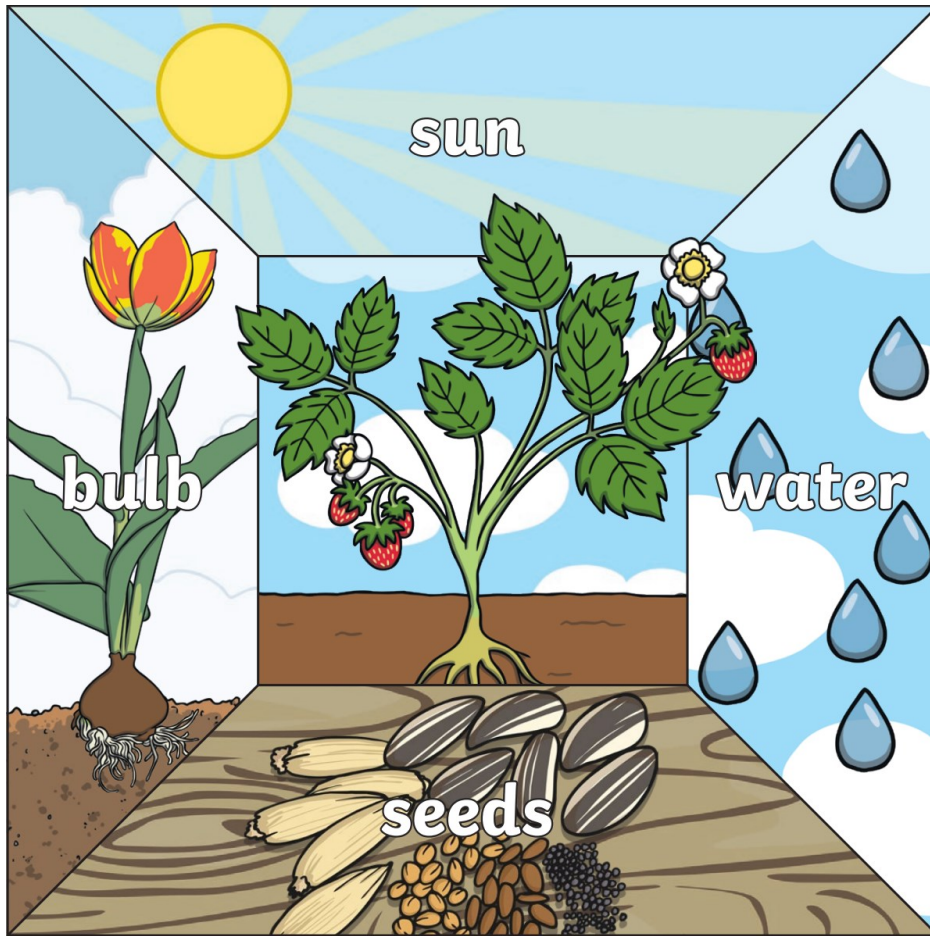
Key Facts:

- Some plants need a lot of **sunlight**, whereas others only need a little.
- Some plants like cooler **temperatures**, whereas some like warmer **temperatures**.
- Plants make their own food (**nutrition**) in their leaves, using **sunlight**.
- Some **seeds** are **dispersed** by wind or water, some are **dispersed** by animals and some **seed** pods explode and throw the **seeds** a good distance away from the parent plant.



Science Knowledge Organiser - Year 2

Unit: What do plants need and how do they grow?



Plants that like warmer temperatures:



palm trees



bird-of-paradise



bananas



orchid

Plants that like cooler temperatures:



saxifrage



arctic willow



fir trees



snow buttercup