



Plants – Year 2

SCIENCE KNOWLEDGE ORGANISER



ESSENTIAL VOCABULARY

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.
Shoot	A shoot grows upwards from the seed or plant to find sunlight.
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 the wind or animals.
Sunlight	All plants need light from the sun to grow well. Some plants need lots of sunlight. Some plants only need a little sunlight.
Water	All plants need water to grow. Without water, seeds and bulbs will not germinate.
Temperature	Temperature is how warm or cold something or somewhere is. Some plants like cooler temperatures and some like warmer temperatures.
Nutrition	Food or nourishment. Plants make their own food in their leaves using sunlight.

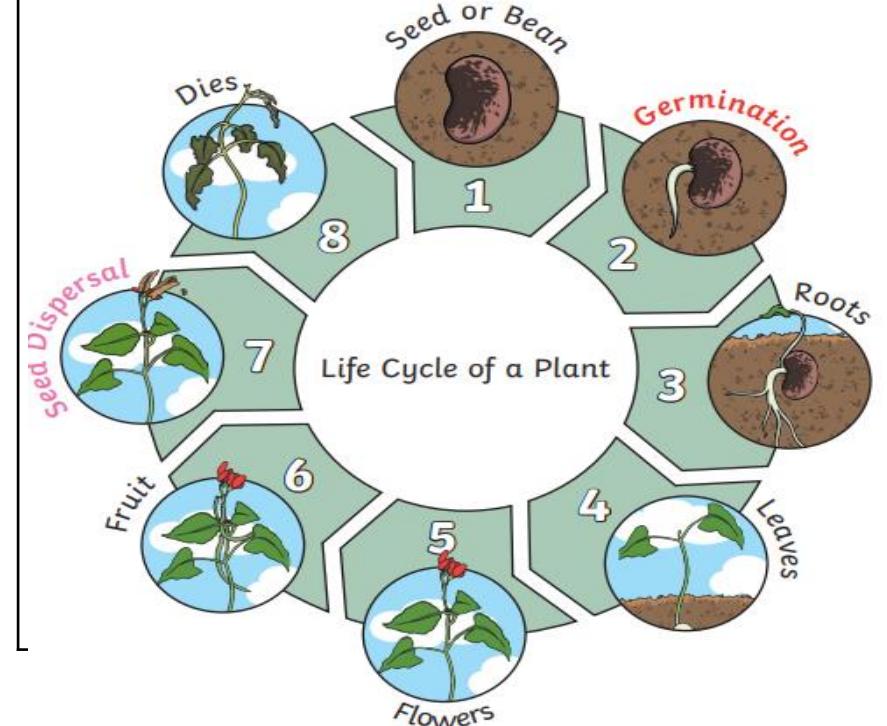
KEY QUESTIONS

How do plants change over time?
 What is a seed?
 What is germination?
 What is a shoot?
 Why is temperature important when trying to grow a seed or plant?

What does a plant need to help it grow?

Sunlight , water , soil , warmth.

Lifecycle of a plant



LINKS TO PREVIOUS LEARNING

Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1 - Plants)

Identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1 - Plants)

STEM SENTENCES

- The life cycle of a plant is.....
- A seedling need to grow.
- Plants need nutrition because....
- Seed Dispersal is.....