

**Year 2      Plants      Science      Summer**

What we should know at the end of the unit

What do plants need to grow well?

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.

What we are going to learn (LOs)

To identify which seeds will grow into which types of plants.

To ask questions that will help us to find out about growing plants from seeds.

To make an accurate record of the changes that happen to our seeds.

To present data on a bar chart and use it to answer a question.

To decide how to improve the condition of an unhealthy plant.

To describe the different stages of germination.

To write a conclusion that answers a question about how seeds should be planted.

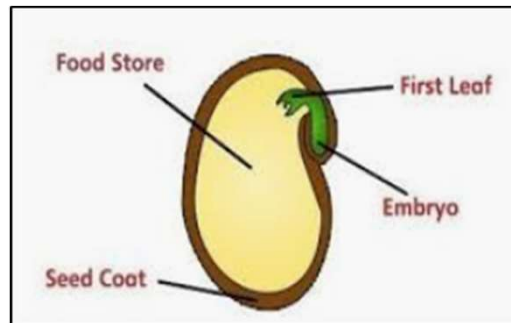
To produce a piece of information writing about how to grow plants from seeds.

**Key vocabulary**

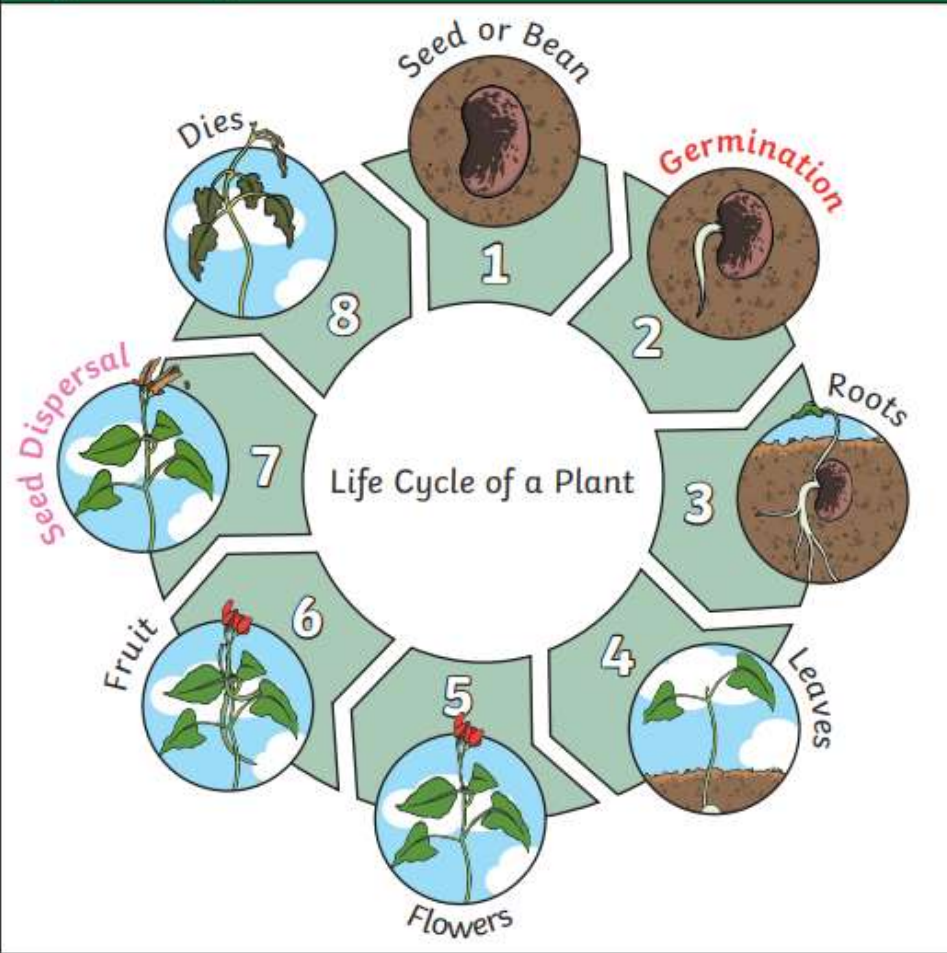
germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination.
shoot	A shoot grows upwards from the seed or plant to find sunlight.
seed dispersal	Seed dispersal is when the seeds move away from the parent plant. 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.
seedling	A young plant that has grown from a seed.
bud	Growth on a plant that develops into a stem, leaf or shoot.
fruit	Fleshy part of a plant that contains seeds or a stone.



Inside a seed/bulb is the baby plant (an embryo). Seeds have a tough layer on the outside to protect the plant (the seed coat).



Key Knowledge



Key skills:

- Observing closely, using simple equipment.
- Grouping and Classifying.
- Asking simple questions and recognising that they can be answered in different ways.

Scientific enquiry:

- Grouping and classifying.
- Observing changes over time.
- Carrying out simple comparative and fair tests.

