

Year 2 Plants Knowledge Organiser



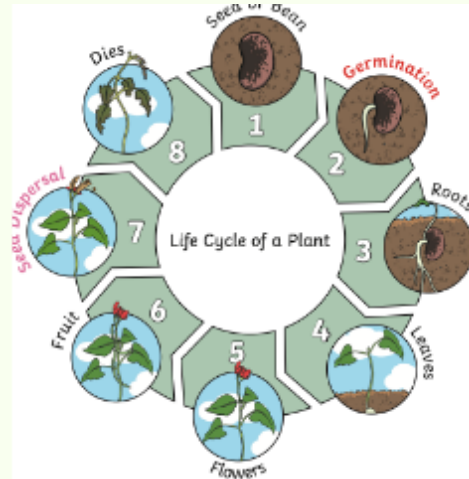
What do I know ?

- I can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1)
- I can identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1)



What will I know?

- Plants will grow from either seeds or bulbs. These germinate and grow into seedlings and then mature plants. Many plants make flowers, which turn into fruits. Flowers and fruits make their own seeds. This is the life cycle of a plant.
- Plants typically need water, light and a suitable temperature to grow. However, some plants are better suited to growing in full sun whereas some plants grow better in partial shade.



How will you work scientifically?



I will observe closely using simple equipment.

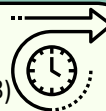
Common misconceptions

Some children may think that ...

- Plants are not alive as they can't be seen to move.
- Seeds are not alive.
- All plants grow from seeds.
- Seeds and bulbs always need sunlight to germinate.

How will this learning help me?

- It will help me to recognise the function of different parts of flowering plants. (Y3)
- It will help me to understand the requirements of plants for life and growth and how they vary between plants. (Y3)
- It will help me to learn how water is transported around a plant. (Y3)
- It will help me to understand the role of flowers in the life cycle of flowering plants. (Y3)



Key vocabulary

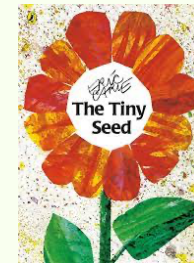
Temperature	How hot or cold.
Growth	A plant growing upwards.
Healthy	In a good condition.
Seed/Bulb	The part of a plant which in the right conditions, can grow into a new plant.
Germinate	The process where a plant grows from a seed.
Seedling	A young plant.
Life cycle	The series of changes in the life of a living thing.
Observe	To watch closely
Enquiry	A scientific investigation. There are 5 different types of enquiry.

Significant Scientist

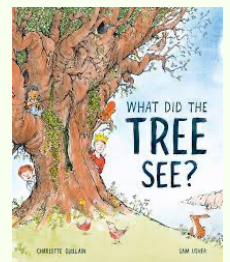


Nicholas Grimshaw designed the biomes for the Eden Project.

Read me!



The Tiny Seed by Eric Carle.



What Did The Tree See? By Charlotte Guillain.

Both available to listen to on YouTube.