



Brookfield Primary School Knowledge Organiser

Year 1/2: Science – Plants

Science helps us to learn about how and why things happen through observing and experimenting.

Key Facts:

- Plants need water to survive.
- Plants get water through their roots.
- Plants need the right temperature to grow.
- Plants need sunlight to help them grow and make their own food.
- Plants need time and room to grow. It can take days, months or even years for them to grow.
- A plant germinates when it starts to grow. Inside a seed/bulb is the baby plant. Seeds are covered with a seed coat. Seeds need the right conditions to grow. Seeds need water, air and the right temperature to grow.
- Plants begin life as seeds or bulbs. They need soil, air and water to grow. Plants grow into young plants called seedlings. Plants grow flowers and fruits. These produce seeds. When the plant is pollinated the seeds find their soil. The process starts again!

Where to look:



- Gardens
- Parks
- Books
- Internet



Things to find out about:

What affects the growth of plants?



General Scientific Words/Phrases:

Investigate, observe, explore, experiment, group, record, analyse

Key Vocabulary to use in this topic:

Word:

Definition:

Temperature

Temperature is how warm or cold something or somewhere is. Some plants like cooler temperatures and some like warmer temperatures.

Seed

The small parts produced by plants from which new plants grow.

Adapt

All plants need light from the sun to grow well. Some plants need lots of sunlight. Some plants only need a little sunlight.

Bulb

The name given to the underground bud or stem of a seed plant at resting stage.

Nutrition

Food or nourishment. Plants make their own food in their leaves using sunlight.

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.

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.

Deciduous

Trees that lose their leaves once a year.

Evergreen

Trees that keep their green leaves all year round.



