

St. Mary's Catholic Primary School



Subject: **Science**

Topic: Plants

Year: 3

Strand: Biology

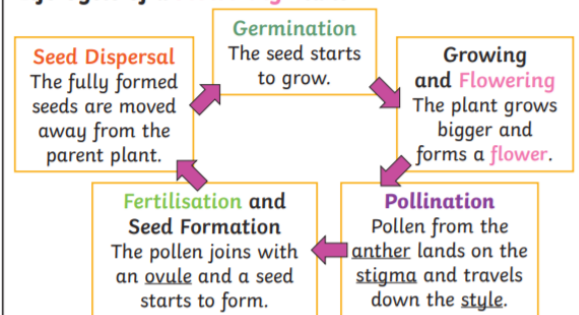
What should I already know?

- The names of the different parts of flowering plants.
- The main stages of the life cycle of flowering plants.
- The names of some types of flowers.
- The life cycle of a plant, understanding how seeds and bulbs grow into mature plants.
- Many of our foods come from plants e.g. fruit, grains and vegetables.
- Plants are living things.

What am I going to learn?

- Roots absorb water from the soil.
- The stem transports water to the leaves.
- Water evaporates from the leaves.
- Evaporation causes more water to be sucked up the stem.
- Plants need water, light, nutrients, air and room to grow.
- Different plants vary in how much of these things they need.
- The flowers job is to create seeds so that new plants can be grown.
- Seeds can be dispersed by water, shaking, dropping, carrying, eating or bursting.

Life Cycle of a Flowering Plant



Vocabulary

Nutrients - a substance that provides nourishment essential for the maintenance of life and for growth.

Carbon dioxide - a colourless, odourless gas produced by burning carbon and organic compounds and by respiration. It is naturally present in air (about 0.03 per cent) and is absorbed by plants in photosynthesis.

Conclusion - the end or finish of an event, process, or text.

Evaporate - turn from liquid into vapour.

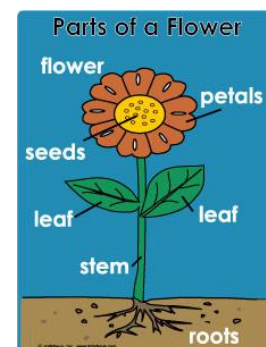
Sepal - each of the parts of the calyx of a flower, enclosing the petals and typically green and leaflike.

Stamen - the male fertilizing organ of a flower, typically consisting of a pollen-containing anther and a filament.

Anther - the part of a stamen that contains the pollen.

Filament - a slender threadlike object or fibre, especially one found in animal or plant structures.

Pollination - the transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization.



Investigations

We will investigate what plants need to grow well.

We will investigate how water is transported in plants.

