St Peter's Roman Catholic Primary School

Science Year 3

Summer 1

Plants

What is this topic about? In this topic you will investigate plants and find out the best conditions for seeds to grow into healthy plants. We will learn about how plants reproduce and how plants germinate, pollinate and produce seeds. We will also learn to recognise more common plants.



I will show my scientific skills by…

Comparing the effect of different factors on plant growth.
Investigating the best conditions for seed germination
Discovering (research and modelling) how seeds are formed by **Observing** the different stages of plant cycles over a period of time.
Looking for patterns in the structure of fruits that relate to how the seeds are dispersed.
Observing how water is transported in plants.
Observing how water travels up the stem to the flowers.

At the end of the Topic I will know…

The roots absorb water and nutrients from the soil and anchor the plant in place.
The stem transports water and nutrients/minerals around the plant and holds the leaves and flowers up in the air
The leaves use sunlight and water to produce the plant's food.
Pollination is when pollen is transferred between plants by insects, birds, other animals and the wind.
Seeds are sometimes contained in berries or fruits which are then dispersed in different ways.

KEY VOCABULARY

Flowering plant – a plant which produces flowers
root/roots- transports water and nutrients/minerals around the plant
leaf/leaves- use sunlight and water to produce the plant's food.
stem/trunk - holds the leaves and flowers up in the air
flowers - the part of the plant which is responsible for reproducing more plants
pollen/pollination -transfer of pollen from one plant to another
seed formation, seed, fruit – fertilised egg when it joins with pollen to create a seed.
seed dispersal - (explosion, wind, water, animal) when seeds are transported to new ground insects/birds/animals
Life cycle – the reproductive process of a plant from seed dispersal to flower production to seeds made and new plants growing.
Conditions for growth- air, light, water, nutrients, soil, room to grow are needed for a healthy plant to grow
Fertiliser – plant nutrients which can be added to the soil to help growth and plant health