



Title: PERFECT PLANTS, POLLINATION and PRETTY FLOWERS.

Year: 3

Subject Focus: SCIENCE

Rationale

In this topic the children will learn the names of different parts of plants, and the jobs they do. They will investigate what plants need to grow well. Furthermore, they will have the chance to predict what will happen in an exciting investigation into the transportation of water within plants. They will work in a hands-on way to identify the parts of a flower, and will explore the different stages of the life cycle of a flowering plant including pollination.

Start Date: 19/04/21

End Date: 28/05/21

Opportunities for Home Learning:

Observational drawings of plants.

Visit a garden centre to learn more about plants and their life cycle.

Web links: The [Pollen Park](#) website: explore all areas of the life cycle of flowering plants in a fun and interactive way

How will we use Bloom's Taxonomy to deepen learning:

The children will **remember** key facts about plants; their functions and how we can help them grow healthily. By **applying** their knowledge and **understanding** they will **analyse** and **evaluate** the outcomes of a range of hands-on experiments.

Outcome:

Children will be able to identify and explain the functions of different parts of flowering plants. They will have planned and set up experiments and made predictions, observations and conclusions.

They should be able to ask and answer questions based on their learning using scientific language.

Hook:

A nature walk around the school grounds, recording what plants grow where e.g.; by the pond, below trees in shady or sunny areas.

Sharing Success:

Topic Books
Class display for exhibition evening
Photographs

How will we embed our school values?

This topic gives the children opportunities to work with **partners** as well as **independently** in a **positive** and **successful** way. The children will be encouraged to become more **responsible** for caring for the plants around them and ensuring they grow healthy and are protected.



What is the key vocabulary to be taught during this topic?

Identify, describe, functions, different, parts, flowering plants, roots, stem, trunk, leaves, flowers, explore, life, growth, air, light, water, nutrients, soil, life cycle, pollination, seed formation and seed dispersal.

Milestones covered in this topic:

Lead Subject: Science

- Identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers.
- Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.
- Investigate the way in which water is transported within plants.
- Explore the role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
- Set up simple practical enquiries and comparative and fair tests.
- Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables.
- Use straightforward, scientific evidence to answer questions or to support their findings.

Other Subjects: Art

- Develop ideas from starting points throughout the curriculum.