

Preston Primary School Knowledge Organiser




Topic: Science- Plants

Term: Summer 2

Year: Unit 3


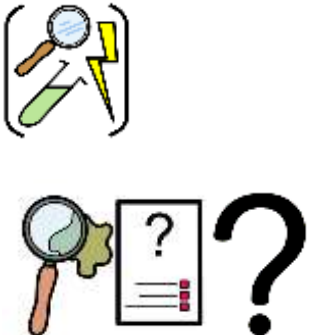

Duration: 6 Weeks

The Powerful Knowledge we will take away from this Learning Enquiry (what children will be learning):

 	<ul style="list-style-type: none"> I can identify and describe the function of different parts of plants: roots, stems, leaves, and flowers. I can describe the things plants need for life and growth and how these change from plant to plant. I can describe the ways that water is transported within plants. I know the role of flowers in the life cycle of flowering plants (including pollination, seed formation and seed dispersal).
	<ul style="list-style-type: none"> I can set up a practical enquiry. I can use results to draw simple conclusions. I can use simple models to describe scientific ideas. I can use my results to identify when further tests or observations may be needed.

Our Key Vocabulary:

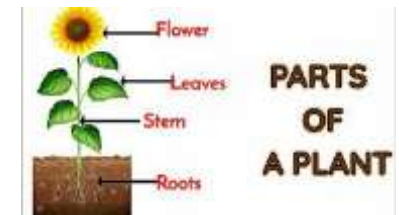
Word	Meaning
Roots	Hold the plant in the ground and collect food and water for the plant.
Stem	The main structure of a plant that supports the leaves and flowers.
Petals	A colourful part of a flower that attract insects with their colour, scent, and nectar.
Leaves	A leaf is a part of a plant attached to a stem resembling a flat structure. Leaves help plants collect sunlight.
Flower	A flower is the part of a plant that blossoms. Flowers produce the seeds that can become new plants.
Photosynthesis	The process a plant goes through to make its food.
Pollination	When pollen is transferred between plants which allows seeds to develop

Steps in learning	
	<ul style="list-style-type: none"> • I know that a plant is a living thing and can describe how I know this. • I can identify different parts of a plant (roots, stem, flower, leaves).
	<ul style="list-style-type: none"> • I can explain the role of the roots for a plant. • I can explain the role of the stem for a plant. • I can explain the role of the leaves for a plant. • I can explain the role of the flower for a plant.
	<ul style="list-style-type: none"> • I can investigate different ways that water is transported within plants. • I can explain that plants need air, light, water, and nutrients from the soil to live and grow.

What I already know:

In Key Stage 1, children identified and named a variety of common plants including garden plants, wild plants, and trees, and those classified as deciduous and evergreen. They also Identified and described the basic structure of a variety of common plants including roots, stem/trunk, leaves, and flowers.

Children observed and described how seeds and bulbs grown into mature plants and learnt that plants need water, light, and a suitable temperature to grow and stay healthy.



Website links:

[The structure of plants - BBC Bitesize](#)

[What do plants need? - BBC Bitesize](#)