



Brookfield Primary School Knowledge Organiser

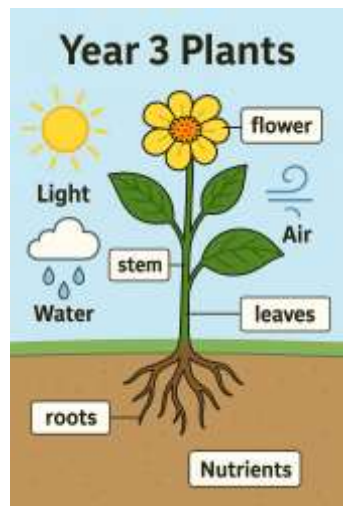
Year 3: Science – Plants

Science is the study of the world around us through observation, description, investigation, and experimentation.

Key Facts:



In this unit, children will explore what plants need to grow and stay healthy, including light, water, air, and nutrients. They will identify the different parts of a flowering plant and describe their functions, including how leaves are used in photosynthesis. Children will investigate how water is transported within a plant and understand the role of flowers in reproduction through pollination, fertilisation, and seed dispersal. Throughout the unit, they will carry out scientific enquiries, make careful observations, and draw conclusions from their own experiments.



Where to look:



- Books
- The internet
- Parents/carers
- The library
- Local park and wildlife areas

General scientific words/phrases:

pollination, fertilisation, seed dispersal, reproduction, life cycle, transpiration, observation, fair test, prediction, conclusion, investigation, experiment

Key Vocabulary to use in this topic:

<u>Word:</u>	<u>Definition:</u>
<i>Roots</i>	The part of the plant that grows under the ground. Roots take in water and help hold the plant in place.
<i>Stem</i>	The part of the plant that holds it upright and carries water and nutrients to the leaves and flowers.
<i>Leaves</i>	The flat parts of the plant that catch sunlight and help the plant make its food.
<i>Flower</i>	The colourful part of the plant that helps it make seeds.
<i>Seed</i>	A small part of a plant that can grow into a new plant.
<i>Water</i>	Plants need water to stay alive and grow. It travels from the roots to the rest of the plant.
<i>Sunlight</i>	Light from the sun that plants use to make their own food.
<i>Pollination</i>	When pollen moves from one flower to another so that seeds can grow.

Things to find out about:

Why do some plants grow better in sunny places than shady ones?
How do bees help flowers grow and make new plants?