

Knowledge Mat: Plants

How does this link to GROW?

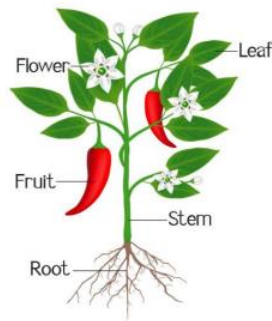
O: To gain outstanding knowledge and skills, through outstanding lessons so that we can know more and remember more about plants and their life cycles.



Subject Specific Vocabulary

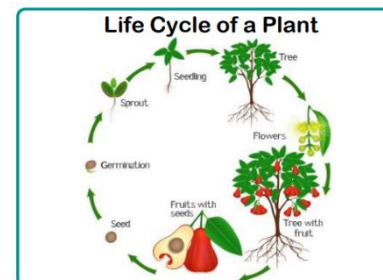
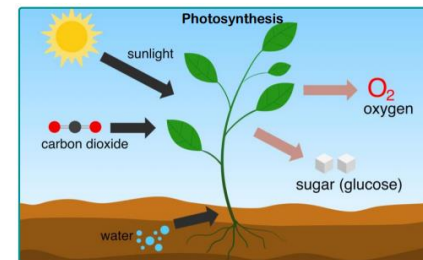
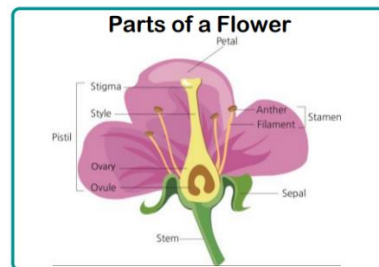
potassium	a metal that is used in fertilising crops
chlorophyll	Captures the sun's rays and creates sugary carbohydrates or energy, which allows the plants to grow
photosynthesis	the process in which green plants use sunlight to make their own food
xylem	carries water from the roots to all parts of the tree or plant
phloem	a tissue where substances can flow up and down to carry the food throughout the plant
anther	the part of a stamen that produces and contains pollen and is usually borne on a stalk
filament	the stalk of a plant stamen that bears the anther
stomata	tiny openings or pores, found mostly on the underside of a plant leaf, and used for gas exchange.
transpiration	the process of water movement in a plant

Key Knowledge:



Parts of a Plant:

1. The roots of a plant absorb water from the soil.
2. The stem transports water to the leaves.
3. Water evaporates from the leaves.
4. This evaporation causes more water to be sucked up the stem.
5. The fruit is the part of a flowering plant that contains seeds.



Books you might like:



What I've learnt previously:

In Year 2, I learnt that plants need water, the right temperature, sunlight and room to help them grow and survive. I also learnt that plants begin life as seeds or bulbs, and they grow flowers and fruits.

This will help me to:

This will help me to use my prior knowledge of plants and their life cycles to understand how new plants can grow, via seed dispersal, and how the process of photosynthesis works.