

Year 3 Plants

(Biology)



Prior and future learning

Prior Knowledge	What's next?
<ul style="list-style-type: none"> Observe and describe how seeds and bulbs grow into mature plants. (Y2 - Plants) Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. (Y2 - Plants) 	<ul style="list-style-type: none"> I can recognise that living things can be grouped in a variety of ways. I can explore and use classification keys to help group. I can identify and name a variety of living things in their local and wider environment. I can recognise that environments can change and that this can sometimes pose dangers to living things. <p>(Year 4 Living things and their environment)</p>

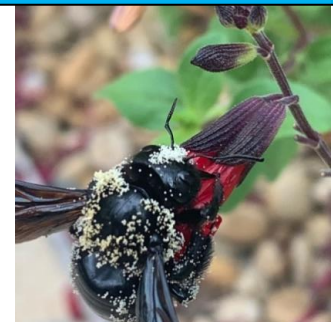
Track your learning

How I will show what I have learned			
I can identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.			
I can describe the life cycle of flowering plants, including pollination, seed formation, seed dispersal, and germination			
I know what plants need for life and growth (air, light, water, nutrients from soil, and room to grow) and how these needs vary from plant to plant.			
I have investigated the way in which water is transported within plants.			
I can give different methods of pollination and seed dispersal, including examples.			

Key knowledge I need to understand

- Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, 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 part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Scientist: Ahmed Mumin Warfa



Working scientifically assessment: measuring plants, functions of stem, observing plants.

Possible texts to read:
 The Hidden Forest – *Jeannie Baker*
 George and Flora's Secret Garden – *Jo Elworthy*

Link to maths curriculum:
 Measurement:

- Measuring out the amount of water to give plants when investigating how the amount of water affects how plants grow. (*Measure, compare, add and subtract: volume/capacity (l/ml).*)

Key vocabulary I need to know	
absorb	soak up or take in
carbon dioxide	a gas produced by animals and people breathing out
dispersed	scattered, separated, or spread through a large area
dissect	to carefully cut something up in order to examine it
fertilisation	in plants , where pollen meets the ovule to form a seed
fertiliser	a substance that is added to soil in order to make plants
function	a useful thing that something does
germination	if a seed germinates or if it is germinated , it starts to grow
healthy	well and not suffering from any illness
life cycle	the series of changes that an animal or plant passes through from the beginning of its life until its death
mature	When something matures , it is fully developed
minerals	Minerals are inorganic elements that come from soil and water, and are absorbed by plants or eaten by animals.
pollen	a fine powder produced by flowers . It fertilises other flowers of the same species so that they produce seeds
pollination	To pollinate a plant or tree means to fertilise it with pollen . This is often done by insects or wind.
structure	the way in which something is built or made
temperature	a measure of how hot or cold something is
transported	taking something from one place to another