

To be secure in this unit you must:

- Know the function of different parts of flowering plants and trees
- Know how water is transported within plants
- Know the plant life cycle, especially the importance of flowers
- Use classification keys to group, identify and name living things
- Know how changes to an environment could endanger living things.

Class 3
Forces
Knowledge Organiser



Vocabulary		Sticky Knowledge	Interesting Books
roots	The root is the part of a plant that typically lies below the surface of the soil.	<p>Trees are more than just part of our natural landscape. They provide shelter and food for wildlife.</p> <p>Trees absorb carbon dioxide and produce breathable air.</p> <p>A large tree can consume 100 gallons of water out of the ground in one day.</p> <p>Not only do trees provide shade in the summer, but they serve as a windbreak in the winter too.</p> <p>The oldest known living tree is 4,800 years old.</p> <p>Trees are able to communicate and defend themselves against attacking insects.</p> <p>Several centuries ago in Holland, tulips were more valuable than gold.</p> <p>Some plants such as orchids do not need soil to grow—they get all of their nutrients from the air.</p> <p>Broccoli is actually a flower.</p>	
fertiliser	Fertilisers are used to increase the rate of a plant's growth.		
stem	The stem is the plant axis that bears buds and shoots with leaves.		
seed formation	A seed is a small baby plant enclosed in a covering called the seed coat, usually with some stored food.		
nutrients	Nutrients are the food the plant wants. Most of the plant's nutrients come from the soil.		
stigma	The stigma is usually sticky and receives pollen.		
pollination	Pollination is the act of transferring pollen grains from the male anther of a flower to the female stigma.		
anther	The stamen has a pollen producing structure at the end which is called the anther.		
seed dispersal	Seed dispersal is the movement or transport of seeds away from the parent plant.		
soil	The soil has water and nutrients that a plant needs to grow healthily.		