

Year 2 Plants

Key Enquiry Questions	Key Facts
<ul style="list-style-type: none"> How do seeds and plants grow into plants and what do they need to live and grow? What happens to plants that do not have all the things they require to grow? 	<ul style="list-style-type: none"> Plants mostly grow from a seed or a bulb. Plants require things such as water, warmth, nutrients from soil and light to grow well. If they do not have one or more of these things, they may stop growing or become unhealthy. Some plants may begin growing without some of these condition but then stop growing/die or not be healthy. For example, a seed of bulb will begin to grow in a dark warm space if they are watered as there is little light underground anyway. When the plant emerges, it may grow very tall and thin; looking for sunlight and be yellow in colour instead of green. Plants may begin to grow on damp cotton wool but then stop if they are not continued to be watered.

Key Vocabulary	
bulb	A root shaped like an onion that grows into a plant.
crop	Plants such as wheat and potatoes that are grown in large quantities for food.
die	To stop living.
flower	The part of a plant which is often brightly coloured and grows at the end of a stem.
fruit	Something which grows on a tree or bush and which contains seeds or a stone covered by a substance that can be eaten (not always by humans!).
germination	The development of a plant from a seed, spore or bulb after a period of dormancy.
grow	Undergo natural development by increasing in size and changing physically.
leaves	The parts of a tree or plant that are flat, thin and usually green.
light	A source of illumination e.g. the sun.
living	To be alive.
nutrients	Substances that help plants and animals to grow.
petal	Thin, coloured or white parts which form part of the flower.
plant	A living thing that grows and has a stem, leaves and roots.
reproduce	When an animal or plant produces one or more individuals similar to itself.
roots	The parts of a plant that grow under the ground.
seed	The small, hard part from which a new plant grows.
soil	The upper layer of earth in which plants grow.
stem	The thin, upright part of a plant on which the flowers and leaves grow.
temperature	The heat in an environment or object.
water	A colourless liquid that forms the seas, lakes, rivers and rain.



What is happening in this picture? (The plant is growing towards the light)



Investigate (suggestions)

- Go on a plant/tree hunt. What do you notice about what they look like? What are their features?
- Plant a bulb or a seed and watch it grow. Record your observations in a diary. Compare the growth of other plants (same type of bulb/seed) where one of the conditions is different (no water, no light, a smaller container).
- Plant a seed on a wet cotton bud. Does it grow? Why might it grow for a little while and then stop?
- Dissect a variety of fruits and locate where their seeds are.
- Eat a variety of vegetables and identify which part of the plant they come from (note: do not taste nuts in school as they are allergens).
- Create a bar chart to show how tall your plants are to the nearest cm.

