

Year 2 Knowledge Organiser
Unit: About Plants

Unit Lessons

- Understand what plants need in order to thrive
- Understand that plants need water, light, and a suitable temperature in order to grow well.
- Understand the difference between a bulb and a seed.
- Understand that plants make their own food
- Know how plants grows from a seed to a plant
- Recognise the importance of flowers and seeds

Did you know ?

Flowers are brightly coloured to attract insects, like bees, to the pollen.

Plants take both nutrients and water from the soil through the roots.

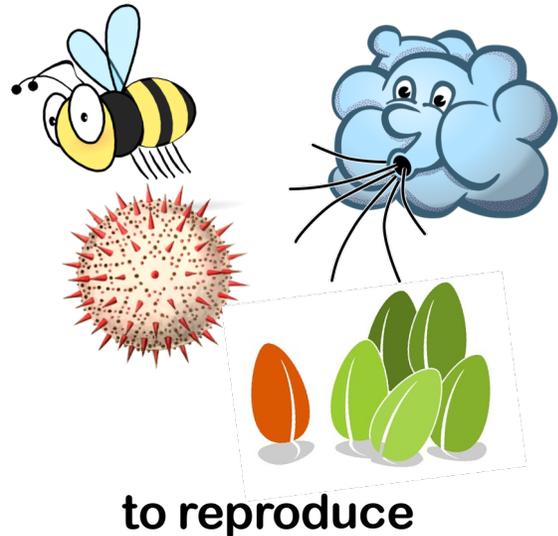
Many fruits and veg we eat, like apples and broccoli, actually come from the flower of the plant.

Greenhouses can be used to help grow plants, but the best place is out in the open air with real sunlight and rainfall.

GR8! – 8 words and meanings to learn

Key Word	Meaning
1. germinate	When a seed starts to grow.
2. nutrient	A food for plants which can be found in the soil.
3. produce	To make.
4. bulb	A rounded part of some plants that is under the ground.
5. seed	Produced for a plant to reproduce, these are tiny versions of a plant inside an outer casing.
6. fertilised	When the female ovule has been met by the male pollen, and produces a seed.
7. dormant	A stage during a life cycle where growth stops or slows, usually in colder weather.
8. pollen	Powder produced by the male part of the flower – it is transported to the female plant to produce new seeds.

What a plant needs...



Before and After...

Question 1: What do plants needs in order to thrive?	Start of unit:	End of unit:
plant pot		
air		
water		
warmth		
clothes		
sunlight		

Question 2: What is the difference between a bulb and a seed?	Start of unit: True or False?	End of unit:
Bulbs are plants that live under the ground		
Bulbs leaves show when they grow		
A bulb lets the plant rest underground over the winter when it is too cold, then grow back later in the year when conditions are right.		
A seed is the part of a seed plant which can grow into a new plant.		

Question 3: How do plants make their own food?	Start of unit:	End of unit:
Using sunlight and carbon dioxide is known as photosynthesis		
A few plants can grab an extra meal by eating small animals.		
By drinking water		

Question 4: Why is pollen is such an important part of a flower?	Start of unit: True or False	End of unit:
<p>Pollen is a fine powder produced by certain plants.</p> <p>Pollen is the substance that causes plants to form seeds.</p>		
<p>Pollen attracts the bees</p> <p>Pollen is yellow in colour</p>		

Question 5: Why are flowers and seeds important?	Start of unit:	End of unit:
<p>Flowers are yellow in colour</p> <p>Flowers attract the bees</p>		
<p>Seeds taste good</p> <p>They have a lovely smell</p>		