

Uplands Manor Primary School - Science Unit Organiser

Science Topic:	Plants	Year 2	
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What? (Key Vocabulary)	
Spelling	Definition/Sentence
Survive	Continue to live or exist
Life Cycle	Continue series of changes showing the life of something
Scattered	Move in various random directions

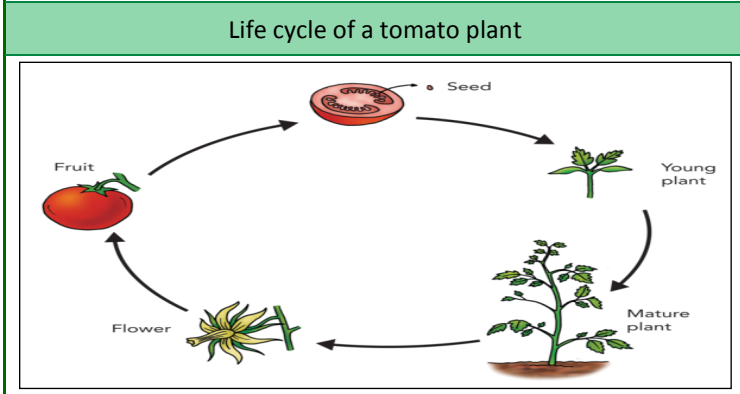
Diagrams and Symbols

Germination

Seed cracks and root begins to grow

Using its food store the root and the shoot grow

Green leaves develop. The plant can now make its own food.



Recommended Experiments

A minimum of two experiments should take place during this unit of work with one final written outcome linked to one of the scientific enquiry skills and approaches used.

	Observing over time how seeds and bulbs grow into mature plants commenting on their physical changes
	Experimenting with different ways to make a seed germinate by changing one variable e.g. soil
	Experimenting with ways to prove that plants need water and light to stay healthy

What? (Key Knowledge)	
How seeds and bulbs grow	
When seeds start to grow, this is called...	Germination
To germinate, seeds need:	<ul style="list-style-type: none"> Warmth Air (oxygen) Water
Seeds don't need light...	This is because they have a store of food inside them already.
What next?	Once the Stem breaks through the soil it is then a plant.
How plants grow	
A plant	A living thing that usually grows from the ground.
The main parts of a plant	<ul style="list-style-type: none"> Flowers Leaves Stem Roots
To grow and survive, plants need:	<ul style="list-style-type: none"> Light Water Carbon dioxide <p>This is so that they can make their own food.</p>
	<ul style="list-style-type: none"> Warmth <p>This is because if plants get too hot or too cold then they will die.</p>
What next? (The life cycle of a plant)	<ul style="list-style-type: none"> The plant grows The flower comes and then dies A fruit with seeds is left behind The seeds get scattered The process begins again This is called the life cycle of a plant

Builds on: learning in Year 1 - Autumn 2 - Unit: Plants	Learning links	Leads to: learning in Year 3 - Autumn 2 - Unit: Plants
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