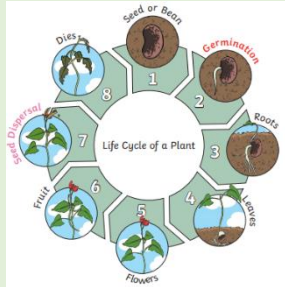
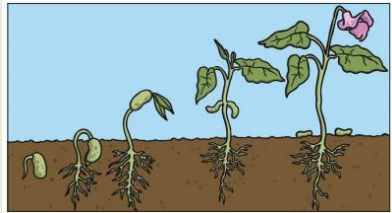
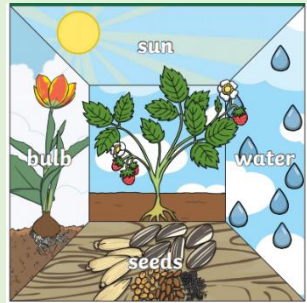




Holy Souls Knowledge Organiser

Topic: Science	Year 2	Strand: Growing Plants										
What should I already know?	Vocab	Diagrams										
- Plants can grow. - The names of some common garden plants (e.g. poppy, rose) and the names of some common wild plants (e.g. daisy, dandelion, nettle). - Deciduous trees lose their leaves in the autumn every year. - Evergreen trees have green leaves all year round. - The parts of a plant including petals, fruits, roots, bulbs, seeds, stem, trunks and branches.	<table><tr><td>germination</td><td>When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination.</td></tr><tr><td>sprout</td><td>When a plant sprouts, it grows new shoots.</td></tr><tr><td>shoot</td><td>A shoot grows upwards from the seed or plant to find sunlight.</td></tr><tr><td>seed dispersal</td><td>Seed dispersal is when the seeds move away from the parent plant. They can be moved by the wind or animals.</td></tr></table>	germination	When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called germination.	sprout	When a plant sprouts, it grows new shoots.	shoot	A shoot grows upwards from the seed or plant to find sunlight.	seed dispersal	Seed dispersal is when the seeds move away from the parent plant. They can be moved by the wind or animals.	  		
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What will I know by the end of this unit?	<table><tr><th colspan="2">What do plants need to grow well?</th></tr><tr><td>sunlight</td><td>All plants need light from the sun to grow well. Some plants need lots of sunlight. Some plants only need a little sunlight.</td></tr><tr><td>water</td><td>All plants need water to grow. Without water, seeds and bulbs will not germinate.</td></tr><tr><td>temperature</td><td>Temperature is how warm or cold something or somewhere is. Some plants like cooler temperatures and some like warmer temperatures.</td></tr><tr><td>nutrition</td><td>Food or nourishment. Plants make their own food in their leaves using sunlight.</td></tr></table>	What do plants need to grow well?		sunlight	All plants need light from the sun to grow well. Some plants need lots of sunlight. Some plants only need a little sunlight.	water	All plants need water to grow. Without water, seeds and bulbs will not germinate.	temperature	Temperature is how warm or cold something or somewhere is. Some plants like cooler temperatures and some like warmer temperatures.	nutrition	Food or nourishment. Plants make their own food in their leaves using sunlight.	
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Curriculum Enhancement: WOW moment/visitors/trips.	Working Scientifically											
	- I can carry out an experiment to observe how the roots of a bulb grow. - I can use close observation to examine different fruits to see how many seeds they have, making predictions beforehand. - I can plan and set up an experiment to find out which conditions are best for seed germination. - I can suggest how to make an experiment a fair test. - I can use the results of my experiment to draw a diagram explaining the best conditions for seed germination. - I can use observation to explain how a seed changes over time.											

