

ELG + Subject Area: EYFS Understanding the World & KS1 Science – **Plants** **Biology**

Question-based Learning Project	Intent To know...	'Sticky Knowledge' Interesting Facts EYFS & National Curriculum		Cultural Capital + Memorable Experiences	Vocabulary
Nursery Why can't I eat chocolate for breakfast?	- names of fruit & vegetables - how to grow & care for food - that our senses can be used to explore & name the inside of a fruit	<i>*Chocolate comes from a fruit tree. It's made from a seed</i>	3-4 years: Understanding the World - use all their senses in hands-on exploration collections of materials with similar and/or different properties - talk about what they see using a wide vocabulary - plant seeds and care for growing plants - understand the key features of the life cycle of a plant - know that there are different countries in the world & talk about the differences they have experienced or seen in photos	- Invite parents for a special breakfast - Create a vegetable patch in the Nursery Garden	- cocoa bean - names of fruits - plant, seed, dig, water, tomato, courgette, strawberry, pumpkin, sunflower
Reception What's Above Me? What's Below Me?	- what a plant needs to grow - names of plants, fruits, vegetables - names of parts of plants - our senses can be used to explore & name the inside of a fruit - some plants are sources of food	<i>* We need to eat 5+ portions of fruit/veg everyday</i> <i>* Watermelons are 92% water</i> <i>* Carrots used to be purple. They made them orange for King William of Orange</i> <i>* Plants need water to help them grow</i>	Reception Understanding the world - understand the effect of changing seasons on the natural world around them. - explore the natural world around them. - describe what they see, hear and feel whilst outside ELG – People, culture and communities - describe their immediate environment using knowledge from observation, discussion, stories, non-fiction texts and maps	- planting afternoon - Looking at + trying lots of different fruits + vegetables - growing beans, sunflowers & cress	- roots, stem, flower, leaf, seed, bud, petal - germination - nutrition - bulb

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			<u>ELG – The Natural World</u> - explore the natural world around them, making observations & drawing pictures of animals + plants <u>ELG – The Natural World</u> - understand some important processes and changes in the natural world around them, including the seasons and changing states of matter <u>Physical Development</u> - know and talk about the different factors that support their overall health and wellbeing - healthy eating		
Year 1 What will you find in a woodland habitat?	- names of common wild + garden plants, including trees - structure of flowering plants	<i>* The oldest tree in the UK is 2-3000 years old in Scotland</i> <i>* Evergreens never lose their leaves</i>	♣ identify and name a variety of common wild and garden plants, including deciduous and evergreen trees ♣ identify and describe the basic structure of a variety of common flowering plants, including trees	- bird watching in school - visit to 'Gruffalo Discovery Land' at Twycross Zoo - set up a woodland campsite	- evergreen, deciduous, stem, roots, petal, stalk, bark, flower names
Year 2 How does your Garden grow?	- the names of a variety of plants & animals in the garden habitat,	<i>* Bulbs that flower in Spring, refuse to bloom without a Winter's sleep</i> <i>*A Venus Fly-Trap can count to 3</i>	♣ observe and describe how seeds and bulbs grow into mature plants ♣ find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	- visit to Chatsworth Gardens workshop 'Perfect Pollinators & Fabulous Flowers'	- bud, shoot, seed coat - mature, suitable, germination, disperse, nutrient - micro-habitat, environment

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	including micro-habitats - how seeds & bulbs grow into plants - plants need water, light & a suitable temperature to grow	<i>* Cacti roots spread over a very large area so they can collect as much water as possible</i> <i>* Pitcher plants get nutrients from insects</i>		- 'Big Plant Day' - planting own vegetables in our Owl Garden to use in DT to make a healthy wrap	
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