






Science Medium Term Plan

	Year Group:	Term:	Topic/Unit :		
	2	Spring	Plants		
National Curriculum Programme of Study	<ul style="list-style-type: none"> • 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 				
Prior Learning	<ul style="list-style-type: none"> • Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1 - Plants) • Identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1 - Plants) 				
Future Learning	<ul style="list-style-type: none"> • Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. (Y3 - Plants) • Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant. (Y3 - Plants) • Investigate the way in which water is transported within plants. (Y3 - Plants) • Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. (Y3 - Plants) 				
Links to other subjects	Maths – Measurement – length				
Enrichment	Exploring different plants – colour, shape, size etc.				
Working Scientifically	Comparative tests 	Identify and classify 	Observation over time 	Pattern seeking 	Research 
	Do cress seeds grow quicker inside or outside?	How can we identify the trees that we observed on our tree hunt?	What happens to my bean after I have planted it?	Do bigger seeds grow into bigger plants?	How does a cactus survive in a desert with no water?
Working Scientifically Assessment Focus	<p>Do: Observe and Measure: Plants – compare growth</p> <p>Working Scientifically: Do: Observe closely, using simple equipment</p> <p>Assessment Focus</p> <ul style="list-style-type: none"> • Can children observe closely, noticing differences and similarities? • Can children measure and compare the height of plants? 				
Sticky vocabulary	<p>light, shade, sun, warm, cool, water, grow, healthy</p> <p>Working scientifically vocabulary: compare, classify, measure, data, equipment</p>				
End points	<ul style="list-style-type: none"> • Plants may grow from either seeds or bulbs. • These then germinate and grow into seedlings which then continue to grow into mature plants. • These mature plants may have flowers which then develop into seeds, berries, fruits etc. • Seeds and bulbs need to be planted outside at particular times of year and they will germinate and grow at different rates. • Some plants are better suited to growing in full sun and some grow better in partial or full shade. • Plants also need different amounts of water and space to grow well and stay healthy 				