<u>Year B Term 3</u> <u>Unit Overview: KS1 Science</u> Plants			
 National Curriculum Objectives 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. 	 Plants may grow from either seeds or bulbs. Seeds or bulbs germinate and grow into seedlings which then continue to grow into mature plants. 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. 	Vocabulary Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud light, shade, sun, warm, cool, water, grow, healthy <u>Phonics / polysyllabic words</u> Ger/min/ate (/ <i>er/</i> and / <i>ae/</i>) Health/y (/ <i>e/</i>)	
 Working Scientifically Skills Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment Performing simple tests Identifying and classifying Gathering and recording data to help in answering questions Using their observations and ideas to suggest answers to question 		 Scaffolded recording Pre-teaching of vocabulary Extension deeper thinking Describe in detail the growth of seeds and bulbs into plants from their own observations and from measurement, including the use of charts and graphs. Explain in simple terms why a number of plants should be used to provide reliable evidence about plant growth. 	

DOWN AMPNEY PRIMARY SCHOOL			
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 Possible misconceptions Some children may think: plants are not alive as they cannot be seen to move seeds are not alive all plants start out as seeds seeds and bulbs need sunlight to germinate. 	British Values Democracy Take the views and opinions of others into account using teamwork. Children take turns and instructions from others. The rule of law Children understand the importance of 		
 Prior learning ◆ 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) 	 safety rules when working scientifically. Individual Liberty Children choose which resources to use. Children are encouraged to develop their independence, taking opportunities to follow their own ideas and interests. Children engage in a wide range of activities and are not limited by gender or other stereotypes. Mutual Respect and Tolerance Evolution versus faith beliefs 	Key People Carl Linneaus – Botanist who categorised all living organisms Angie Burnett – Plant Biologist	
 Future learning 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) 		 School Values Courage Asking our own questions and investigating new ideas. Respect Supporting other's ideas, even if they differ to our own. Trust Celebrating everyone's unique ideas and working together collaboratively. 	