

Year 2 – Plants					
National Curriculum Objectives		Sticky Knowledge		Vocabulary	
- Observe and describe how seeds and bulbs grow into mature plants. - Find out and describe how plants need water, light and warmth to grow and stay healthy.		- Plants grow from seeds/bulbs - Plants need light, water and warmth to grow and survive - Flowers make seeds to make more plants (reproduce) - Plants are important - We need plants to survive (to clean air, to eat) - We can eat different parts of the plants (leaves, stems, roots, seeds, fruit)		Leaves, trunk, branch, root, seed, bulb, flower, stem, wild, garden, deciduous, evergreen, observe, grow, compare, record, temperature, predict, measure, diagram, germinate, warmth, sunlight.	
Non-Statutory				Key Scientists and job roles	
- Use the local environment to observe how different plants grow. - Pupils should be introduced to the requirements for germination, growth, survival and reproduction. - Observe and record the growth of a variety of plants as they change over time - Observe similar plants at different stages of growth - Set up a comparative test to show that plants need water and light to stay healthy.				Linked Texts	
				Agnes Arber (Botanist) Alan Titchmarsh (Botanist & Gardener)	
				<i>The Tin Forest</i> (Helen Ward) <i>Chimpanzees of Happytown</i> (Giles Andreae) <i>The Amazing Life-Cycle of Plants</i> (Kay Barnham) A Seed Is Sleepy (Dianna Aston)	
Prior Learning		Key Question(s):		Future Learning	
In Year 1 Children should: - 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. - Identify and name the roots, trunk, branches and leaves of trees.		- Do all fruits and vegetables contain seeds? - Do all plants produce flowers and seeds? - What is different between freshly cut and planted flowers? - Do plants flower all year round? - What are flowers for? - What happens to a plant after it has produced seeds?		In Year 3 Children will: - Identify and describe the functions of different parts of the flowering plant: roots, stem/trunk/leaves and flowers - Explore the part flowers play in a flowering plant’s life cycle, including pollination, seed formation and seed dispersal - Explain the requirements of plants for life and growth (air, light, water, nutrients from soil, room to grow) and how they vary between plants - Know the way in which water is transported between plants	
Teaching Ideas					
Comparative tests	Identify & Classify	Observation over time	Pattern Seeking	Research	BIG Question – Assessment Opportunity
Do plants grow healthier in the light or the dark?	How can we identify the plants and tree that we observed on our local walk?	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?	What should I do to grow a healthy plant?
					