

Year 1 – Plants

Working Scientifically	Sticky Knowledge	Linked Texts	Key Scientists
- Recall and use specific scientific vocabulary accurately (year group key vocabulary). - Ask simple questions and recognise answer many differ, use simple secondary sources. - Observe closely, using simple equipment. - Perform simple tests. - Identify and classify. - Use their observations and ideas to suggest answers to questions. - Gather and record data to help in answering questions. - Record and communicate findings using simple scientific vocabulary.	- Plants grow from seeds/bulbs - Plants need light and water to grow and survive - Plants are important - We can eat lots of plants	<i>Tree: Seasons Come, Seasons Go</i> (Patricia Hegarty and Britta Teckentrup) <i>A Little Guide to Wild Flowers</i> (Charlotte Voake) <i>The Things That I LOVE about TREES</i> (Chris Butterworth)	Beatrix Potter (Author & Botanist) Maria Sibylla Merian (scientific illustrator, naturalist)
Key Question(s):	Key Question(s):	WS vocabulary	
Can you name three different parts of a plant? Can you describe what roots do for a plant or tree? Why does a flower have a stem? Can you name two plants you might find in your garden? What is a wild plant? What is a deciduous tree? Can you give examples?	How do Plants grow? What do Plants need to grow? Do all plants need water? Are all plants green? Why do seeds look different? Can plants grow as big in the shade? What is the biggest/smallest/smelliest (etc) tree/flower/plant on the planet?	Investigation, enquiry, what to change, what we used, what we did, what we found out, chart, table, group, compare, observe, sort, classify, record, accuracy, test	

Teaching suggestions in Enquiry types

<u>Comparative tests</u>	<u>Identify & Classify</u>	<u>Observation over time</u>	<u>Pattern Seeking</u>	<u>Research</u>	<u>BIG Question – Problem solving</u>
Which type of compost grows the tallest sunflower? Which tree has the biggest leaves? 	How can we sort the leaves that we collected on our walk? 	How does a daffodil bulb change over the year? How does my sunflower change each week? How does the oak tree change over the year? 	Do trees with bigger leaves lose their leaves first in autumn? Is there a pattern in where we find moss growing in the school grounds? 	What are the most common British plants and where can we find them? How did Beatrix Potter help our understanding of mushrooms and toadstools? 	How many types of plant are there? (Also use EXPLORIFY) <u>Assessment Opportunity</u> 