



Subject: Science  
 Year group: 2  
 Term: Summer  
 Unit name: Plants  
 Strand: Biology

**Prior Knowledge** - Plants can grow. The names of some common garden plants (e.g. poppy, rose) and the names of some common wild plants (e.g. daisy, dandelion, nettle). Deciduous trees lose their leaves in the autumn every year. Evergreen trees have green leaves all year round. The parts of a plant including petals, fruits, roots, bulbs, seeds, stem, trunks and branches.

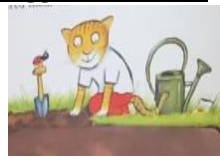
**Key Vocabulary:** Leaf, flower, blossom, bud, petal, berry, root, seed, stalk, trunk, branch, stem, bark, fruit, light, shade, sun, warm, cool, water, grow, healthy, germinate, climate, nutrients.

**Key Scientists:**



Carl Linnaeus George Washington Carver Alexander Von Humboldt

**Suggested books:**



Sam Plants a Sunflower



















**National curriculum:**

- To observe and describe how seeds and bulbs grow into mature plants.
- Find and describe how plants need water, light and a suitable temperature to grow and stay healthy.

**Working Scientifically:**

- Asking simple questions and recognising that they can be answered in different ways
- Observing closely, using simple equipment
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions.

<b>C</b>	<b>H</b>
<b>Compassion</b>	<b>Hope</b>
When Jesus arrived, he saw a large crowd. He felt sorry for them and healed those who were sick.  Matthew 14:14	I say this because I know what I have planned for you," says the Lord. "I have good plans for you. I don't plan to hurt you. I plan to give you hope and a good future.  Jeremiah 29:11

Key learning objectives <b>**EXTENSION LESSONS AVAILABLE FOR THIS UNIT. CHECK PLYMOUTH MEDIUM TERM PLANNING**</b>		
Knowledge	Working Scientifically	Scientific Enquiry
To observe and describe how seeds and bulbs grow into mature plants.	To identify and labels parts of a plant. 	To identify and classify parts of a flower. 
To observe and describe how seeds and bulbs grow into mature plants.	To make observations on how plants grow and offer explanations. 	To observe how plants grow over time. 
To observe and describe how seeds and bulbs grow into mature plants.	To use a Venn diagram to sort and classify seeds in different ways. 	To sort and classify seeds using my own criteria. 
To find and describe how plants need water, light and a suitable temperature to grow and stay healthy.	To ask simple questions to investigate 	To look for patterns in my tests. 
To find and describe how plants need water, light and a suitable temperature to grow and stay healthy.	To evaluate my test and suggest simple improvements. 	To look for patterns in my results and explain the changes. 
To find and describe how plants need water, light and a suitable temperature to grow and stay healthy.	To apply my learning and evaluate my progress. 	To recap all key concepts in the unit. 
<b>Scientific Enquiry Key</b>	<b>Comparative / fair testing</b> Changing one variable to see its effect on another, whilst keeping all others the same. 	<b>Pattern-seeking</b> Identifying patterns and looking for relationships in enquiries where variables are difficult to control. 
	<b>Research</b> Using secondary sources of information to answer scientific questions. 	<b>Identifying, grouping and classifying</b> Making observations to name, sort and organise items. 
	<b>Observation over time</b> Observing changes that occur over a period of time ranging from minutes to months. 	<b>Problem-solving</b> Applying prior scientific knowledge to find answers to problems. 
<b>Assessment- Key indicators:</b> <ul style="list-style-type: none"> <li>• Can describe how plants that have grown from seeds and bulbs have developed over time.</li> <li>• Can identify plants that grew well in different conditions.</li> <li>• Can spot similarities and differences between bulbs and seeds.</li> <li>• Can nurture seeds and bulbs into mature plants identifying the different requirements of different plants.</li> </ul>		