Enriching lives every day; enabling our school community to learn, achieve and flourish through living 'life in all its fullness'

Sustainability

Subject: Science

Year group: 2

Term: Summer

Unit name: Plants

Strand: Biology

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.

Compassion	Hope

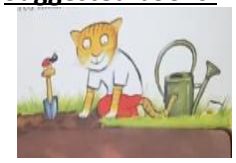
Prior Knowledge - Plants can grow. The names of some common garden plants (e.g. poppy, rose) and the names of some common wild plants (e.g. daisy, dandelion, nettle). Deciduous trees lose their leaves in the autumn every year. Evergreen trees have green leaves all year round. The parts of a plant including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

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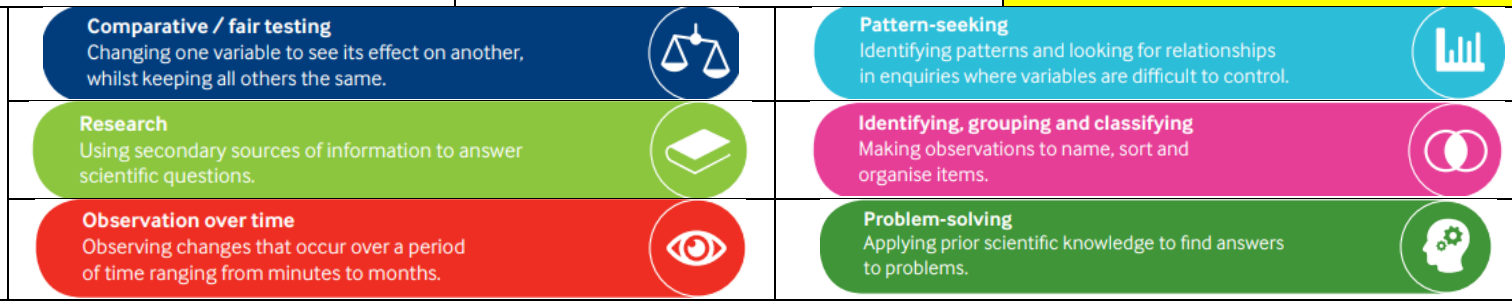
Key learning objectives- ***Highlighted boxes = Learning Objective for that lesson. The other two are your Success Criteria.***
EXTENSION LESSONS AVAILABLE FOR THIS UNIT. CHECK PLYMOUTH MEDIUM TERM PLANNING

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.

Scientific Enquiry Key



Assessment- Key indicators:

- Can describe how plants that have grown from seeds and bulbs have developed over time.
- Can identify plants that grew well in different conditions.
- Can spot similarities and differences between bulbs and seeds.
- Can nurture seeds and bulbs into mature plants identifying the different requirements of different plants.