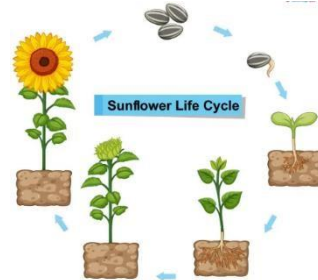


Science

Plants

Y2 spring term



National Curriculum Objectives:

- ✓ Ask simple questions and recognise that they can be answered in different ways.
- ✓ 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 answer questions.

National Curriculum Statutory requirements:

Pupils should be taught to:

- ✓ 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

Key Vocabulary:

Spelling:	Definition:
bulb	A bulb grows into a new plant.
germination	When seeds develop and grow into plants.
growth	To get bigger or taller.
leaves	Part of the plant that makes food for the plant.
light	Energy that comes from the sun.
nutrition	Food or nourishment.
petal	Brightly coloured part of the flower that attracts insects.
roots	Part of a plant that anchors it to the ground, helps the plant absorb to water from the soil.
seeds	Small parts produced by plants from which new plants grow.
seed dispersal	When the seeds move away from the parent plant by either wind or animals.
shoot	Part of the plant that grows upwards from the seed or plant to find sunlight.
stem	Part of the plant that holds the plant up and carries water from the soil to the leaves.
survive	To continue to live.
temperature	How warm or cold something or somewhere is.
water	A liquid that all plants need to survive.
weeds	An unwanted plant that needs to be removed in order to give a wanted plant space to grow.

Sequence of Learning:

Objectives (key knowledge):

<p>Lesson 1</p> <p>Recap:</p> <p>To know that all plants need light and regular water to grow.</p> <p>To know parts of a plant: seed, bulb, roots, stem, leaves, petals.</p> <p>Task: to draw own plant and label it, incl. light and water.</p>	<p>Lesson 2</p> <p>To know that all plants need space to grow.</p> <p>Task: children to observe plants spaced close together and far apart, making notes and drawings of their observations. Beans.</p>	<p>Lesson 3</p> <p>To know and understand the lifecycle of a plant.</p>	<p>Lesson 4</p> <p>To plan a fair test to answer the question: what do seeds need to grow?</p> <p>To know what a seed needs to germinate and grow.</p> <p>Task: investigation – the children have to think about the variables. What do they need to keep the same and what do they need to change?</p>	<p>Lesson 5</p> <p>To know what a seed needs to germinate and grow.</p> <p>Task: look at how the seeds have grown and answer the question – what does the seed need to grow?</p>	<p>Lesson 6</p> <p>To know why plants need space to grow and use observations to answer their question (see lesson 2).</p>
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