Science

Year 1 and 2

Summer

Topic Plants

Rationale

The children will have the opportunity to learn about plants and grow a variety of their own plants within the school environment. By teaching this topic at this point of the year we will make the most of the natural opportunities for learning about and observing plants. The children will explore the outdoor areas, watching the plants within the school garden grow and make recordings of these observations. The children will plant, grow and investigate a variety of different plants such as, cress, sunflowers, beans and wildflowers.

NC Objective

- **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**

Links to other Subject/Topics.

Maths – Measuring

English – Non-Chronological reports

Inspiration for Aspiration

Gardener, horticulturist, tree surgeon, environmentalist,

Key Content Year 1

- Which plants can we eat?
- Are all seeds the same?
- What do plants need?
- Where will they grow?
- How do plants grow and change?

Key Content Year 2

- Which plants can we eat?
- Are all seeds the same?
- What do plants need?
- Where will they grow?
- How do plants grow and change?

Concepts

Science	1	2	3	4	5	6
Plants						
Animals, including Humans						
Materials						
Light						
Sound						
Electricity						
Forces						
Earth and Space						

Skills EYFS

- Observing closely
- Making predictions (growth & change)
- Comparing, sorting & grouping (living things)
- Identifying and naming parts of the animal
- Use simple equipment (relating to care of animals)
- Begin to answer & ask simple questions
- Talk about what I have found out.

Skills Year 1

- Asks simple questions and recognise that they can be answered in different ways.
- Observe closely, using simple equipment
- Perform simple tests
- Identify and classify
- With support perform simple tests.

Skills Year 2

- Asks simple questions and recognise that they can be answered in different ways.
- Observe closely, using simple equipment
- Identify and classify
- Record findings in a variety of ways.
- Perform simple tests.
- Gather and record data to help in answering questions

<table>
<tr><td>• Begin to use some scientific language</td><td></td><td></td></tr>
<tr><td>EYFS Vocabulary
Roots
Leaves
Stem
Flower
Seed
Light
Growth</td><td>Year 1 and 2 Topic Vocabulary
Plant
Tree
Flower
Roots
Stem
Leaf
Seed
Bulb</td><td>Year 1 and 2 Scientific Vocabulary
Investigate,
test,
observe,
equipment,
describe,
check,
key,
sequence,
label,
diagram,
discuss,
propose,
question,
experiment
compare
similarities
differences</td></tr>
<tr><td colspan="2">By the end of the topic <u>Year 1</u> children will with support:-
• Look closely at plants and trees
• Record what they see by drawing or writing
• Follow instructions to plant a seed and a bulb
• Order the life cycle of a plant
• Suggest how to care for a plant so it grows well
• Give examples of food crops
• Explain that plants are living things</td><td>By the end of the topic <u>Year 2</u> children will: -
• Look closely at plants and trees
• Record what they see by drawing or writing
• Follow instructions to plant a seed and a bulb
• Order the life cycle of a plant
• Suggest how to care for a plant so it grows well
• Give examples of food crops
• Explain that plants are living things
• Perform a simple test recording their results.</td></tr>
<tr><td colspan="3">Assessment

Grammarsaurus Cumulative Quiz and Assessment.</td></tr>
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