

Brough Primary School – Curriculum Intention Plan 2021 - 2022



Subject: Science Year Group: Year 1/2		Area of learning: Plants (Year B)
Links to previous work/Remember when	<ul style="list-style-type: none"> Year 1&2A - Knowing the difference between things that are living and things that are dead. Year 1&2A - Knowing that plants live in different habitats, how to care for them and how they depend on each other. Year 1&2A - Identify and name a variety of plants (and animals). <p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> Ask simple questions and a that they can be answered in different ways. Observe closely, using simple equipment. Use their observations and ideas to suggest answers to questions. Gather and record data to help answer questions. Identify and classify. 	
Term	Year 1/2	Key Skills to be taught
Summer 2022 What the children should know at the end of this series of lessons		<ul style="list-style-type: none"> Identify and name a variety of common and wild garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees. 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.

Vocabulary

Plant, leaf, grow, weed, change, living, water, healthy, similar to, different from, different to, seeds, garden centre, Warmth, light, water, dry, wet, moist, growth, germination, Seed, seed coat, bean, water, warmth, nutrients, leaves, stem, roots, names of deciduous and evergreen trees in the local area, names of some plants growing around the school.

Sequence of learning	Objectives and teaching sequence
1	<ul style="list-style-type: none"> Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees (1P). Observe and describe how seeds and bulbs grow into mature plants (2P). Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy (2P). <p>Mr Tumble grows things in his garden from www.YouTube.com</p> <p>Possible activities - Look at, draw and taste a range of fruits and vegetables that could be grown in a garden. Look at plants in the school garden. Identify them, label them and sketch what is growing (Yr1). Make a map of the garden plot, identifying the plants and predicting what they will turn into when they are fully grown, if they stay healthy (Yr2).</p>

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	<p>In this lesson, children need to plant seeds and bulbs so they can see what happens to them over time.</p> <p>Lowden Garden Centre from www.YouTube.com Time lapse video of a sprouting bean seed (3.26 mins) from www.YouTube.com</p>
2	<ul style="list-style-type: none"> Identify and describe the basic structure of a variety of common flowering plants, including trees (1P). <p>https://www.youtube.com/watch?v=p3St51F4kE8 parts of a flowering plant. https://www.youtube.com/watch?v=7a0u5jMYviM plant life cycle. https://www.youtube.com/watch?v=bLhTgTWbYMI parts of a plant.</p>
3	<ul style="list-style-type: none"> Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy (2P). <p>Re-pot some seedlings so that they can be placed in different locations in and around the school as part of an investigation about the conditions required for plants to grow and stay healthy. Locations could be – fridge, no water, no light,</p>
4	<ul style="list-style-type: none"> Observe and describe how seeds and bulbs grow into mature plants (2P). <p>Observe changes that have taken place with the seeds and bulbs that were planted in week 1. Record what they see and how they have germinated and grown. Consider if a second lesson will be required for this task after the half term break?</p> <p>CBeebies' Mr Bloom talks about how to make cress grow from tights from www.bbc.co.uk Teacher information about growing cress, including the nutritional value (rich in vitamin C) from www.healwithfood.org Time lapse video of cress growing from www.YouTube.com</p>
5	<ul style="list-style-type: none"> Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy (2P). <p>Observe changes that have taken place with the different seedlings that were placed in different locations with observations of the health of the plant being taken at several times/days between session 3 and session 5. What conclusions could and should be drawn from this work. Link to the seasons and the different temperatures we experience at different times of the year. Help the children understand that this is why little grows in the winter and then we get the 'new life' of spring.</p>
6	ASSESSMENT TASK – SEE BELOW

Learning Outcome/product

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Different groups within the class will take one of the four objectives and produce a diagram and fact file showing what they have learnt, using the target vocabulary.

Assessment records	List only those children who have not achieved the expected outcomes.

Assessment records	List only those children who have exceeded the expected outcomes.

End of unit assessment question

E.g. How could you best present information on the basic structure of a flowering plant or tree so that you can quickly show someone else what you have learnt?