

Gawber Primary School Science

BIOLOGY: Plants

	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Science Knowledge End Points:	- Children know about similarities and differences in relation to living things. (The World) - Plant bulbs for spring. - Plant Vegetables and flowers - Draw, describe and compare plants	- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees - Identify and describe the basic structure of a variety of common flowering plants, including trees. - Grow bean plants and identify what plants need (water, air, light) and what do plants give us (food, wood, oxygen etc)	- 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.	- Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers - Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant - Investigate the way in which water is transported within plants - Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	Explore what is happening to the waters of the world in relation to the Amazon Rainforest and the plants that live there	- Describe how plants are classified into broad groups according to common observable characteristics and based on similarities and differences - Give reasons for classifying plants based on specific characteristics - Describe the life process of reproduction in some plants - Begin to understand sexual and asexual reproduction in plants	- Use classification keys with more independence and accuracy - Create a classification key - Understand sexual and asexual reproduction in plants - Identify plants which reproduce in these ways
Key Scientists Study:		Joseph Banks	Jane Colden	Ahmed Mumin Warfa George Washington Carver		Jan Ingenhousz Ingenhous	David Attenborough Carl Linnaeus

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Key Vocabulary:	Similar, different, plants, trees, flowers, changes, living	Plant, wild plants, garden plants, deciduous, evergreen, flowering plants, trees. Leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem	Seeds, seedling, bulbs mature plants, reproduction, germination, growth and survival. Water, light, temperature and healthy.	Function, flowering plants, roots, stem, trunk, leaves, flowers Air, light, water, nutrients, transported Life cycle, pollination, seed formation, seed dispersal, reproduction		Function, flowering plants, roots, stem, trunk, leaves, flowers. Air, light, water, nutrients, transported. Life cycle, life processes, reproduction, pollination, seed formation, seed dispersal, sexual reproduction plants, asexual reproduction plants, parent plant, seeds, stem, root cuttings, tubers, bulbs	
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Science Knowledge End Points: Black = Normal NC Positioning Blue = NC requirement but moved Red = Extra learning