



St. John the Evangelist Catholic Academy - Progression in Science



Progression in Scientific knowledge, concepts & skills	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	KS3
Plants Working Scientifically	Plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things.	Explore the natural world around them, making observations and drawing pictures of animals and plants Understand some important processes and changes in the natural world around them,	Identify and name a variety of common, wild and green plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants	Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and 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				Cells and organisation Reproduction Photosynthesis Relationships in an ecosystem



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		including the seasons and changing states of matter	including trees		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				
Possible Learning Challenge Questions			Which birds and plants would Little Red Riding Hood find in our park?	How can we grow our own salad? Could you be the next master chef?	How did that blossom become an apple?				