



## 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
<b>Living things and their habitats</b>	Understand the key features of the life cycle of a plant and an animal.	Explore the natural world around them, making observations and drawing pictures of animals and plants.		Explore and compare living and non-living things (including things that have never been alive)		Recognise that living things can be grouped in a variety of ways (using classification keys)	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird	Classify living things according to common observable characteristics (reptiles, amphibians, mammals, insects)	Reproduction in humans Reproduction in Plants Inheritance
<b>Working Scientifically</b>	Begin to understand the need to respect and care for the natural environment and all living things.	Know some similarities and differences between the natural world around them and contrasting environments		Describe how most living things (including plants) live in habitats or micro-habitats suited to them  Know that habitats		Recognise that environments can change and can pose dangers to living things	Describe the life process of reproduction (birth, growth, development)	Give reasons for classifying plants and animals based on specific characteristics (for example vertebrates and	Chromosomes DNA and genes



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				provide for the basic needs of different animals and plants (and how they depend on each other)  Use simple food chains to identify and name different sources of food				invertebrates)	
Possible Learning Challenge questions				Why would a dinosaur not make a good pet?		Which wild animals and plants thrive in your locality?	Do all animals and plants start life as an egg?	Could Spiderman really exist?	