

Year 5: Life Cycles Knowledge Organiser

Subject Specific Vocabulary		Interesting Books	Sticky Knowledge about Life Cycles	
fertilise	When an egg from the ovary of a woman or female animal is fertilised , a sperm from the male joins with the egg, causing a baby or young animal to begin forming.		Many insects have four stages in their life cycle: egg or the unborn stage; larva – young stage; pupa – inactive (no feeding) stage; and adult stage.	
embryo	An unborn or unhatched offspring in the process of development.		In general, the life cycles of plants and animals have three basic stages including a fertilised egg or seed, immature juvenile, and adult. However, some organisms may have more than three life cycle stages, and the exact names of each stage can slightly differ depending on the species.	
classification	This is the grouping together of similar species of plant, animal and other organisms.			
precision	For scientists, precision describes a measurement system, that is, how reliable it is at giving the same result every time it measures the same thing.			
reproduction	Reproduction is the way different plants and animals make new plants and animals. The reproduction system differs in plants and animals.			
parasite	An organism that lives in or on another species.	Important facts to know by the end of the life cycles topic: <ul style="list-style-type: none"> • Know the life cycle of different living things e.g. mammal, amphibian, insect and bird • Know the differences between different life cycles • Know the process of reproduction in plants • Know the process of reproduction in animals 	Useful websites https://www.stem.org.uk/resources/community/collection/12775/year-5-living-things-and-their-habitats https://www.outstandingscience.co.uk/index.php?action=view_page&page=view_unit&unit=5a	
metamorphosis	The process of transformation from an immature form to an adult form in 2 or more distinct stages.			
pupate	Life stage of some insects undergoing transformation between immature and mature stages.			
incubate	Act of maintaining controlled environmental conditions for the purpose of maintaining growth.			
pollination	The transfer of pollen to a stigma, ovule, flower, or plant to allow fertilization.			
Stigma / pollen	The stigma is the sticky stem of the pistil of the female reproductive system in a plant . Powdery grains that contain the male reproductive cells of most plants .	  		