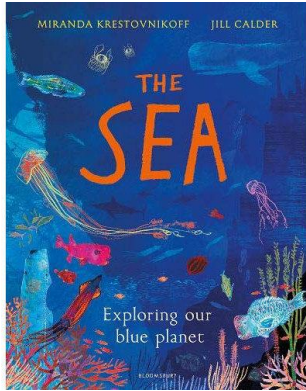
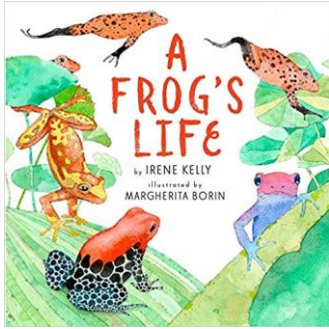


Year 5: Life Cycles Knowledge Organiser

Subject Specific Vocabulary		Interesting Books	Sticky Knowledge about Living Things
asexual/sexual	All living things reproduce. Reproduction can happen both asexually and sexually. Sexual reproduction happens when two organisms reproduce together. Asexual reproduction happens when an individual creates another individual by themselves.	 	<input type="checkbox"/> Asexual reproduction is different to sexual reproduction because only one parent is needed to make a new offspring. The offspring are always clones of the parents.
gestation	Gestation, in mammals, is the time between conception and birth, during which the embryo is developing in the uterus.		<input type="checkbox"/> 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.
classification	This is the grouping together of similar species of plant, animal and other organisms.		<input type="checkbox"/> 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.
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.		<input type="checkbox"/> Plants that use wind pollination compared to insect pollination often look different. Insect-pollinated plants often look much more beautiful as to attract their pollinators.
reproduction	Reproduction is the way different plants and animals make new plants and animals. The reproduction system differs in plants and animals.		
respiration	Respiration is done by all living things. Living things release energy from their food by respiration. Many organisms need oxygen to do this.	Important facts to know by the end of the all living things topic: <ul style="list-style-type: none"> • Know the difference between sexual and asexual reproduction. • Know the differences between different life cycles. • Know the process of reproduction in plants. • Know the process of reproduction in animals. • Know the 7 life processes. 	
excretion	Excretion is the removal of unneeded things from a living organism. Waste products are removed from the body. Both plants and animals have to get rid of excess gas and water.		
pollination	Pollination is needed for the reproductive cycle of a plant. It can occur via many different ways such as wind or insects.		
embryo	Fertilisation happens when an egg cell meets with a sperm cell and joins with it. The fertilised egg divides to form a ball of cells called an embryo.		