

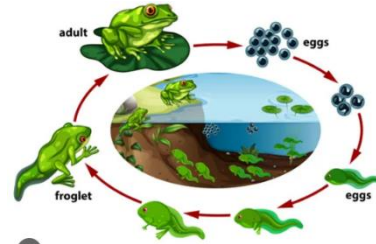
Year 2 Autumn 1: Science Knowledge Mat

Living things and their habitats.

Key Vocabulary		Images/ diagrams	Core Knowledge
habitat	A place where an animal has everything it needs to be able to live there.		➤ I know that living things have 7 life processes which mean they are alive. ➤ I know that if something does not have these 7 life processes, then it is dead or has never been alive. ➤ I know the difference between something which is dead and something which has never been alive. ➤ I know animals are suited to a particular habitat. ➤ I know habitats provide food and shelter for animals. ➤ I know the names of some different habitats. ➤ I know the names of some animals and plants. ➤ I know that food chains show what animals eat. ➤ I know plants and animals can be grouped in different ways. ➤ I know how to record data and present my findings.
7 life processes	The 7 things you need to be a living thing - movement, respiration, sensitivity, growth, reproduction, excretion and nutrition.		
alive	Living things have the 7 life processes.		
dead	Something which was alive but no longer has the 7 life processes.		
predator	An animal which hunts and eats other animals for food to get energy.		
food chain	A food chain is a diagram that shows how energy is passed from one animal to another when they are eaten.		
survive	Animals need air, water, food and shelter to help them to survive.		
microhabitat	A microhabitat is a small area where minibeasts (spiders, ants, beetles) live, such as a clump of grass or under a log.		

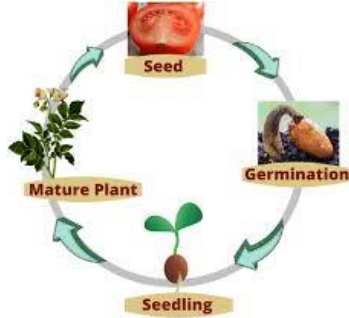
Year 2 Spring: Science Knowledge Mat

Animals including Humans

Key Vocabulary		Images/ diagrams	Core Knowledge
offspring	The young of a person, animal or plant.	  	➤ I know the basic stages in a life cycle for animals (including humans) ➤ I know why exercise, a balanced diet and good hygiene are important for humans ➤ I know that animals have offspring, which then grow into adults. ➤ I know food can come from parts of an animal or plant. ➤ I know how to present my findings in different ways.
adult	A human or animal which has reached full growth.		
survival	To remain alive.		
hygiene	To keep clean to avoid harmful germs and stop getting sick.		
exercise	Any type of movement you do on purpose.		
healthy lifestyle	To eat healthy foods, be physically active and get enough sleep.		
diet	To eat regular, balanced, fresh and varied food.		
balanced	To eat foods from all 5 food groups: fruit, vegetables, grains, proteins and dairy.		

Year 2 Summer: Science Knowledge Mat

Plants

Key Vocabulary		Images/ diagrams	Core Knowledge
germinate	To begin to grow.	  	➤ I know what a plant needs to grow and to be healthy. ➤ I know the difference between a bulb and seeds. ➤ I know how to perform simple tests and record my findings. ➤ I know how to sort things in different ways. ➤ I know what happens to plants over time.
bulb	The underground bud or stem of a seed plant at resting stage.		
seed	The small parts produced by plants from which new plants grow.		
grow	To increase in size.		
plant	Living things that grow from the soil and turn light from the sun into food.		
stem	The main structure of a plant that supports leaves and flowers.		
roots	Part of a plant that is normally underground. It helps support the plant and takes water and food from the soil.		
wilt	When a plant gradually bends downwards and becomes weak because it needs more water or is dying.		