Newton Tony Primary School CE VC	
Science key skills and knowledge	
Animals Including Humans	
EYFS Reception	I know key parts of the human body (including head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth).
Year	I know the life cycle of a butterfly is egg/lava/pupa/butterfly
Year 1	I can name animals from each group including fish (salmon), amphibians (frog), reptiles (snake), birds (red kite) and mammals (fox)).
	I know the main body parts of common animals (arms, legs, wings, tails, fins, head, trunk, horns/tusks, shell)
	I know that eyes are used for sight, the nose/smell, ears/hearing, the tongue and mouth/taste and the skin/touch.
Year 2	I know that a calf is the offspring of a cow, a foal/horse, and a lamb/sheep
	I know that animals including humans, need water, food and air to survive.
	I know that a red kite is a carnivore that eats other animals. I know that a rabbit is a herbivore that eats only plants. I know that a fox is an omnivore that eats both animals and plants.
Year 3	I know that a human skeleton is used for movement, protection and support.
	I know that the muscular system in humans works with the skeleton for movement.
	I know in my body I have many bones eg skull, spine, pelvis, femur
Year 4	I know the different types of human teeth (incisor, canine, premolar and molar) and the functions of each type of tooth.
	I know the main organs of the human digestive system (mouth, teeth, tongue, oesophagus, stomach, small and large intestines) and I can describe the functions of the system.
	I know a balanced diet includes carbohydrates, protein, fats, fibre, vitamins, minerals and water. I can describe the functions of each of these groups.
Year 5	I can describe changes that occur in puberty: boys testicles grow and girls menstruate.
	I know that gestation periods vary across mammals: human pregnancy is usually 9 months.
	I know the human life cycle includes stages of growth and development: baby/toddler/child/teenager/adult/elderly.
Year 6	I know that the blood transports vital substances around the body, including oxygen and nutrients.
	I know that the blood vessels transport blood around the body.
	I know the heart pumps blood around the body.
	I know the main parts of the human circulatory system (heart, blood vessels and blood).