

Science Focus:

Animals including humans

Year 3

Spring Term

Key Vocabulary

Spelling	Definition
Skull	The bone that protects an animal's head and brain
Rib Cage	The bones that form a protective cage around the vital organs of the body, like the heart and lungs
Fibula	The outer and smaller bone between the knee and the ankle
Tibia	The inner and larger bone between the knee and the ankle
Biceps	The large muscle on the front part of the upper arm
Triceps	The large muscle on the back part of the upper arm
Spine (backbone)	The vertebrae extending from the skull to the small of the back enclosing the spinal cord
Exoskeleton	Animals with exoskeletons have a hard covering that protects their bodies e.g. ants, lobsters, crabs
Endoskeleton	Animals with endoskeletons have skeletons on the inside of their bodies
Hydrostatic	Animals with hydrostatic skeletons actually have no bones e.g. worms, slugs
Vertebrate	A group of animals with a backbone
Invertebrate	An group of animals without a backbone
Nutrition	Having the food necessary for health and growth
Carbohydrates	Provide slow release of energy
Proteins	Help growth and repair
Fibres	Help you to digest the food that you have eaten
Fats (unsaturated)	Provide energy
Vitamins and Minerals	Keep you healthy
Water	Water helps to move nutrients in your body and get rid of waste that you do not need

Key Knowledge

Humans	
Human Beings	From the family of animals called mammals
Skeletons	A structure of bones that supports the body of a person, protects organs and allows movement
Muscles	A soft tissue that contracts and relaxes to cause movement of the skeleton
Tendons	Cords that join muscles to bones
Joints	An area where two or more bones are fitted together - Ball and socket joints allow the most freedom of movement e.g. hip - Hinge joints allow flex and movement e.g. elbow - Glide joints allow small limited movements in different directions e.g. fingers
Nutrition	
What is nutrition?	Nutrition means animals getting the food they need to grow and be healthy
Importance of nutrition	Humans need the right types and amounts of nutrition from a balanced diet to grow and be healthy Humans cannot make their own food and they get nutrition from what they eat.

Diagrams and Symbols



