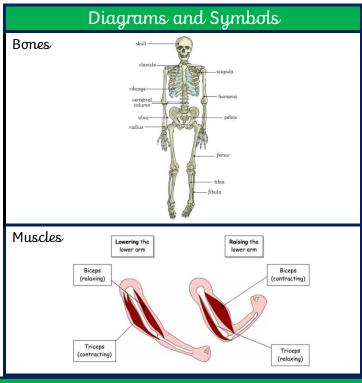
Gunthorpe Primary School – Knowledge Organiser

Science Focus: Animals including humans Year 3: Autumn Term 1

Key Knowledge						
Nutrients						
Types of nutrients	There are 7 types of nutrients : - Carbohydrates - Protein - Fats - Fibre - Vitamins - Minerals - Water					
The role of water	Water transports nutrients around our body so that we can absorb them. It also helps us to get rid of waste.					
The skeleton						
How many?	A baby is born with about 300 bones . During childhood, some bones join together. Adults have 206 bones in their body.					
The role of the skeleton	The skeleton does 3 important jobs: Protect the organs; Allow movement; Support the body by holding it up. 					
Types of skeleton	Some animals have their skeleton on the inside of their body. Those with a backbone (spine) are called vertebrates. Other animals have their skeleton on the outside of their body, which can be like a shell.					
Muscles						
How many?	There are over 600 muscles in the human body.					
The role of muscles	Muscles allow our bodies to move. Pairs of muscles work together by expanding and contracting.					

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Key Vocabulary						
Spelling	Definition					
Healthy	In good physical and mental condition.					
Food groups	There are 5 main types of food we need for a balanced diet. These are on the Eat Well plate.					
Fats	Provide energy.					
Bone	The hard white substance which forms the skeleton.					
Muscles	A part of the body which allows us to move.					
Relax	When a muscle releases.					
Diet	The things we eat and drink.					
Vitamins	Keep us healthy.					
Minerals	Keep us healthy.					
Skeleton	The bones in our body. Some animals have an exoskeleton (outside) and some have an endoskeleton (inside).					
	Things animals and humans need to stay					
Nutrients	alive and stay healthy. They are found in the					
	foods we eat.					
Carbohydrates	Provide energy.					
Protein	Helps growth and repair					
Fibre	Helps to digest the food we have eaten.					
Expand	When a muscle relaxes and becomes lar					
Contract	When a muscle tightens					



Prior learning

In **Year 1**, you identified, named, drew and labelled the basic parts of the human body and were able to say which part of the body is associated with each sense.

In **Year 2**, you found out about and described the basic needs of animals, including humans, for survival (water, food and air). You then described the importance of exercise for humans, eating the right amounts of different types of food, and hygiene.