



Mickleover Primary School – Science Knowledge Organiser

Title: Animals Including Humans

Year Group: 3

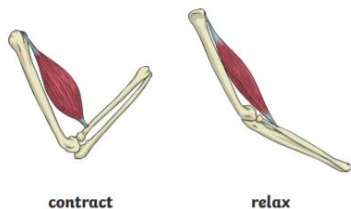
Term: Spring 1

Vocabulary you will know...

Healthy	In a good physical and mental condition.
Nutrients	Substances that living things need to stay alive and healthy.
Energy	Strength to be able to move and grow.
Variety	A collection of different things.
Vertebrate	Animals with back bones.
Invertebrate	Animals without back bones.
Muscles	Soft tissues in the body that contract and relax to cause movement.
Tendons	Chords that join muscles to bones.
Joints	Areas where two or more bones are fitted together.

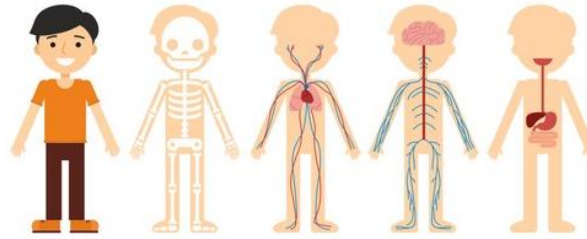
Muscles Key Learning

Skeletal **muscles** work in pairs to move the bones they are attached to by taking turns to contract (get shorter) and relax (get longer).



contract

relax



Skeletons Key Learning

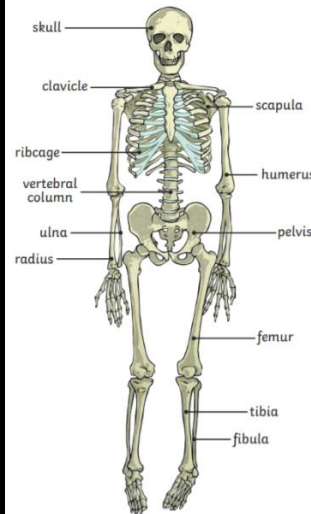
Skeletons do three important jobs:

- protect organs inside the body;
- allow movement;
- support the body and stop it from falling on the floor.

Vertebrates:



Human Skeleton



Invertebrate:



Nutrition and Diet Key Knowledge

Living things need food to grow and to be strong and **healthy**. Plants can make their own food, but animals cannot. To stay **healthy**, humans need to exercise, eat a **healthy** diet and be hygienic. Animals, including humans, need food, water and air to stay alive.

Nutrient	Found in	What it does/they do
Carbohydrates		Provide energy
Protein		Helps growth and repair.
Fibre		Helps you to digest the food you have eaten.
Fats		Provide energy .
Vitamins		Keep you healthy .
Minerals		Keep you healthy .
Water		Moves nutrients around your body and helps get rid of waste.

MOTIVATED

PROUD

SUCCESSFUL