Coley Primary School – Knowledge Organiser

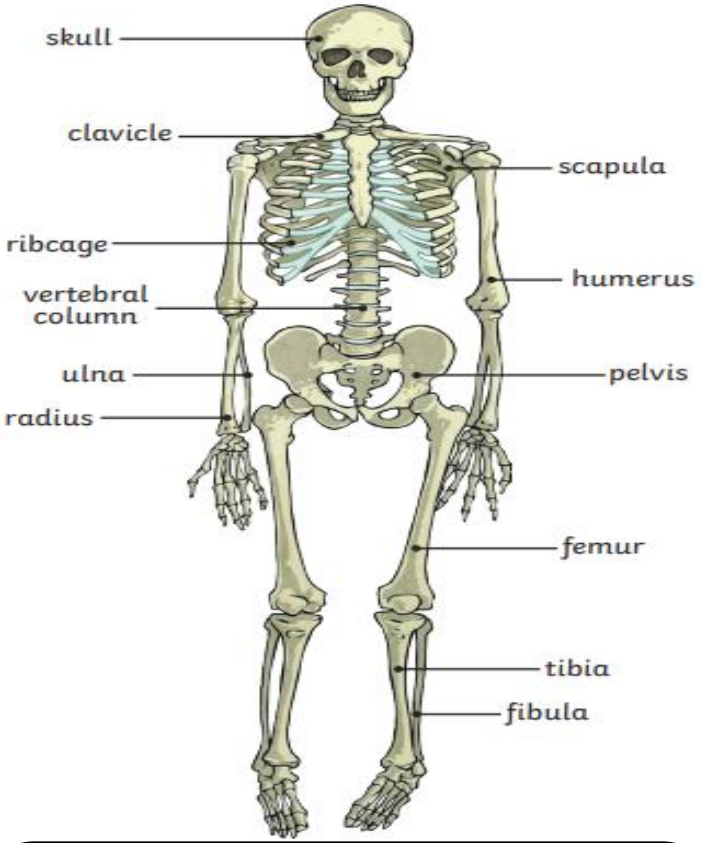
SUBJECT FOCUS: Biology Strand	Science: Animals, including humans	YEAR 3	TERM 1

WHAT? – Key Knowledge

- Identify that animals, including humans, need the right types and amount of nutrition, and that they AH2 cannot make their own food; they get nutrition from what they eat
- Identify that humans and some animals have skeletons and muscles for support, protection and movement.
- Use scientific language: say, read and spell scientific vocabulary.

Working Scientifically Challenge:

- Explain how the muscular and skeletal systems work together to create movement.
- Classify living things and non-living things by a number of characteristics that they have thought of.
- Explain how people, weather and the environment can affect living things.
- Explain how certain living things depend on one another to survive.



I wonder…

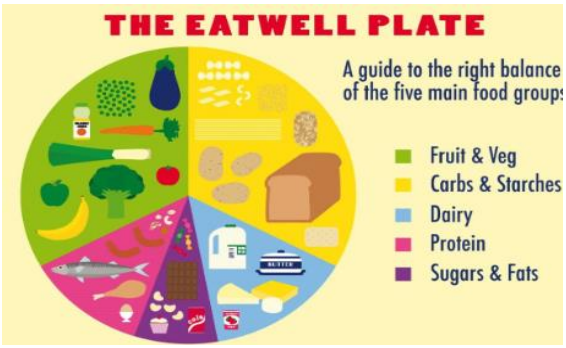
Can they…

- explain the importance of a nutritious balanced diet?
- describe how nutrients, water and oxygen are transported within animals and humans?
- describe and explain the skeletal system of a human?
- describe and explain the muscular system of a human?

WHAT? – Key vocabulary

healthy	In a good physical and mental condition.
nutrients	substances that animals need to stay alive and healthy
energy	strength to be able to move and grow
Saturated fats	types of fats, considered to be less healthy, that should only be eaten in small amounts
Unsaturated fats	fats that give you energy, vitamins and minerals
Vertebrate	vertebrate animals with backbones
invertebrate	animals without backbones
muscle	soft tissues in the body that contract and muscles relax to cause movement
tendons	Cords that join muscles to bones
joints	area where two or more bones are fitted together

Diagrams and symbols



Skeletons do three important jobs:

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

Possible experiences: Curious minds…

- National History Museum: see the bone structure of various animals, including the dinosaur.
- **Life on Earth: Human Body**, by Heather Alexander