



St Andrew's C of E Maghull Knowledge Organiser



Year 3 - Autumn 2 - Science - Animals Including Humans

Knowledge:

- I know that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.

- I know that humans and some other animals have skeletons and muscles for support, protection and movement.

- I can describe how muscles and joints help them to move.

Vocabulary

Balanced diet - eating a variety of different foods from all five food groups.

Carbohydrates - made up of oxygen, carbon and hydrogen. Things like bread and pasta!

Fibre - a type of carbohydrate that the body doesn't break down.

Fat - nutrients in food that the body uses to build nerve tissue and cell membranes.

Joints - the places in your body where your bones meet.

Ligaments - tough bands of tissue that hold your bones together at your joints.

Muscles - how we move and live! Some move without us thinking, others need our brain to help.

Nutrients/ Nutrition - the study of food in our bodies and how our bodies use them.

Protein - builds, maintains and replaces the tissues in your body.

Ribs - they protect the organs in our chest and help us to breathe.

Skeleton - the bones of the body form a framework.

Skull - the head of our body, which protects the brain.

Vertebrae - the 33 individual, interlocking bones that form the spinal column.

Tendons - a cord of tissue that attaches the end of a muscle to a bone or other part of the body.

Lesson Sequence:

Lesson 1: I can explain how the skeleton supports the human body.

Lesson 2: I can describe how our bones provide protection, with some examples.

Lesson 3: I can plan and carry out an investigation to find out if bones grow as we get older.

Lesson 4: I can compare, and group vertebrate animals based on their skeleton.

Lesson 5: I can compare and group invertebrate animals, based on the structure of their bodies.

Lesson 6: I can explain why humans have muscles.