

Year 3/4 Animals including Humans Knowledge Organiser



What do I already know ?



- I can identify and group animals into the five main animal groups (fish, amphibians, reptiles, birds and mammals).
- I can name animals that are carnivores, herbivores and omnivores.
- I can describe the basic needs of animals (water, food and air).
- I know that humans need to eat a balanced diet, take regular exercise and have good hygiene to be healthy.

Gems of knowledge



- I will learn why humans and some other animals have skeletons.
- I will learn how muscles work.
- I will learn why the human body needs a balanced diet to work properly.

How will I work like a Scientist?



- I will ask and answer questions using different types of scientific enquiry (Y3- when prompted).
- I will set up investigations (Y3-with some support).
- I will make observations using equipment.
- I will take accurate measurements using standard units. (Y3- with some support).
- I will gather, record, classify and present data in a variety of ways to help to answer a question. (Y3- with support).
- I will record findings using simple scientific language, drawings and labelled diagrams/charts.
- I will report on my findings from an investigation.
- I will use scientific evidence to answer a question.
- I will use results to draw simple conclusions.

Key vocabulary

Meaning

Nutrient

A substance that helps our bodies to grow and stay healthy.

Joints

An area where two or more bones meet.

Skeleton

The inner framework of bones in some animals.

Muscles

Soft tissue in the body that supports movement

Invertebrate

Animals without backbones.

Vertebrate

Animals with backbones.

Significant Scientist



Marie Curie discovered radioactivity.

She used her discovery to improve x-rays. During WW1, she created mobile x-ray units which allowed doctors to see if a soldier had broken bones or a bullet inside their body. **Her discovery saved lives.**



Careers in Biology (Human body)



Radiographers are doctors who are trained to interpret x-rays. They diagnose different conditions and injuries.

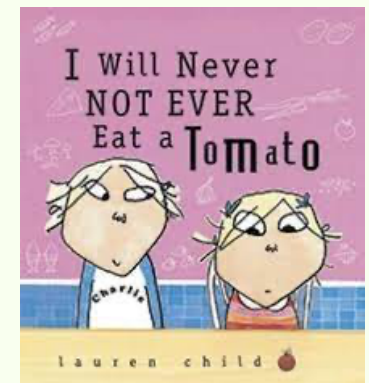
Physiotherapists help people affected by injury, illness or disability through movement and exercise.

Read me!



Funnybones by
Janet & Allan
Ahlberg

I Will Never Ever
Eat a Tomato by
Lauren Child



Both available to listen to on YouTube.