

Science Overview - Animals Including Humans

Year 3/4 Cycle B

Summer Term

Key Question: What impact did the Romans have?

National Curriculum

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

SUBSTANTIVE KNOWLEDGE

- Know that animals need the right types and amount of nutrition.
- Know that animals get the nutrition from the food they eat.
- Know some of the key nutrients which all animals need and what the body needs them for- carbohydrates, protein, fibre and fat.
- Know the difference between a vertebrate and invertebrate and name examples of each.
- Know the role of the skeleton and its three main jobs (support, movement, protection)
- Know the roles of muscles, tendons and joints.

Key words:	nutrients muscles joints
Vocabulary:	healthy, energy, carbohydrates, protein, fibre, fats, vertebrate, invertebrate, tendons
Working scientifically	<ul style="list-style-type: none">• recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables• using results to suggest improvements and raise further questions
Enquiry type to cover and enquiry question	Comparative test (enquiry type) What material protects and egg the most? Identifying, grouping and classifying (enquiry type) How can we group the food we eat?
Learning Milestones /Assessment	I can... <ul style="list-style-type: none">• Sort some common foods into the correct food groups.• Match the nutrient to the job it does for our bodies.• Name some vertebrates and invertebrates.• Explain the roles of muscles, tendons and joints.• Explain the role of the skeleton