

# Science Overview – Animals Including Humans

## Year Four

### Autumn 2

#### Key Question: How do human actions affect our rainforest?

##### National Curriculum

- describe the simple functions of the basic parts of the digestive system in humans
- identify the different types of teeth in humans and their simple functions
- construct and interpret a variety of food chains, identifying producers, predators and prey

##### SUBSTANTIVE KNOWLEDGE

- Know the names and functions of the basic parts of the digestive system (oesophagus, stomach, small/large intestine, rectum).
- Know the names of different types of human teeth and their simple functions (incisor, canine, molar and premolar).
- Know that the teeth of an animal are designed to eat different foods depending on the diet of the animal.
- Using observations over time to find out which drinks cause the most tooth decay.
- Know that some animals are herbivores, carnivores or omnivores and what they eat.
- Know how to construct and identify food chains- identifying producers, predators and prey.

##### **Key Vocabulary:**

digest, oesophagus, stomach, small intestine, large intestine, rectum, herbivore, carnivore, omnivore, producer, predator, prey

\*ALSO TAUGHT IN Y1.

##### **Previous year groups key vocabulary:**

healthy, nutrients, energy, carbohydrates, protein, fibre, fats, vertebrate, invertebrate, muscles, tendons, joints

##### **Disciplinary Concepts**

- gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.
- using straightforward scientific evidence to answer questions or to support their findings.

##### **Enquiry type to cover and enquiry suggestion**

##### **Observing over time (enquiry type)**

Which drinks decay teeth the most over time?

##### **Learning Milestones /Assessment**

I can...

- Identify and name parts of the digestive system.
- Match parts of the digestive system to their function.
- Describe a simple food chain.
- Explain what a herbivore, carnivore and omnivore are.
- Name some types of teeth and describe their functions.