

Year 4 Animals

Including Humans

Knowledge Organiser

This term we will be learning about:

Types of teeth

Humans have four types of teeth: incisors for cutting; canines for tearing; and molars and premolars for grinding (chewing).



The layers of our teeth

Our teeth have layers for protection. The top layer, enamel, is the strongest substance in the human body!



The digestive system

Food enters the body through the mouth. Digestion starts when the teeth start to break the food down. Saliva is added and the tongue rolls the food into a ball. The food is swallowed and passes down the oesophagus to the stomach. Here the food is broken down further by being churned around and other chemicals are added. The food passes into the small intestine. Here nutrients are removed from the food and leave the digestive system to be used elsewhere in the body. The rest of the food then passes into the large intestine. Here the water is removed for use elsewhere in the body. What is left is then stored in the rectum until it leaves the body through the anus when you go to the toilet.



Key words

INCISOR
CANINE
PRE-MOLAR
MOLAR
ENAMEL
DENTIN
GUMS
PULP
PREDATOR
PREY
PRODUCER
OESOPHAGUS
STOMACH
LARGE
INTESTINE
SMALL
INTESTINE
RECTUM
FAECES

Lesson objectives

- Identify the different types of teeth in humans and their simple functions.
- Describe the simple functions of the basic parts of the digestive system in humans.
- Construct and interpret a variety of food chains, identifying producers, predators and prey.



Prior learning

- Identify and name a variety of common animals that are carnivores, herbivores and omnivores. (Y1 - Animals, including humans)
- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). (Y2 - Animals, including humans)
- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. (Y2 - Animals, including humans)
- 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. (Y3 - Animals, including humans)

Future learning

- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. (Y6 - Animals, including humans)
- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. (Y6 - Animals, including humans)
- Describe the ways in which nutrients and water are transported within animals, including humans. (Y6 - Animals, including humans)

Food Chains

The world has natural food chains. All animals are part of the food chain, and we will think about how the food chain changes and what is affected. Living things can be classified as producers, predators and prey according to their place in the food chain.

