

Year 4 Science Knowledge Organiser: Animals including Humans



Key Science Skills

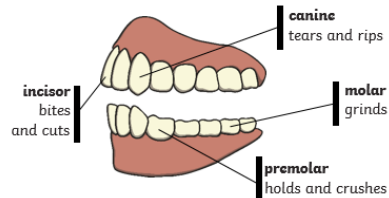
- I can ask relevant questions and use different types of scientific enquiry to answer them.
- I can set up simple practical enquiries, comparative and fair tests.
- I can make systematic and careful observations
- I can gather, record, classify and present data in a variety of ways.
- I can record findings using simple scientific language, drawings and diagrams.
- I can use scientific evidence to answer questions and support my findings.

Prior Learning

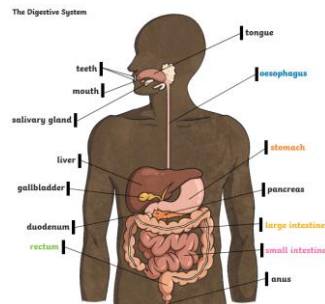
- Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat
- Identify that humans and some other animals have skeletons and muscles for support, protection and movement.
- Notice that animals, including humans, have offspring which grow into adults
- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

Key Knowledge

Human Teeth and Their Functions



Some people have wisdom teeth but they have no function now.



Key Vocabulary

Digest Break down food so it can be used by the body.

Oesophagus A muscular tube which moves food from the mouth to the stomach.

Stomach An organ in the digestive system where food is broken down with stomach acid and by being churned around.

Small intestine Part of the intestine where nutrients are absorbed into the body.

Large intestine Part of the intestine where water is absorbed from remaining waste food. Stools are formed in the large intestine.

Rectum Part of the digestive system where stools are stored before leaving the body through the anus.

Herbivore An animal that eats plants.

Carnivore An animal that feeds on other animals.

Omnivore An animal that eats plants and animals.

Producer A plant that produces its own food.

Predator An animal that hunts and eats other animals.

Prey An animal that gets hunted and eaten by another animal.

Some animals are carnivores, herbivores and omnivores

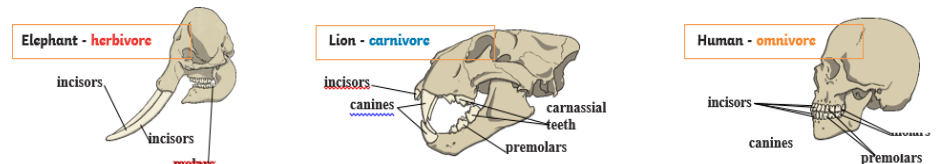
Producers are plants as they make their own food.

Consumers are animals as eat plants and other animals.

Humans have different types of teeth including incisors, canines, molars and premolars.

Humans have two sets of teeth during their lifetimes.

The process of digestion is to allow food to be broken down into smaller components so that they can be absorbed into the bloodstream.



An Example of a Food Chain

The arrows in a food chain show the flow of energy.

