

HAWTHORN PARK COMMUNITY PRIMARY SCHOOL

Where Care and Learning Count

Headteacher: Mrs Jeni Houghton

Science Knowledge Organiser

Area: Animals including humans

Year Group: 4

Statutory guidance:

By the end of this unit pupils will be able to:

- 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

Notes and guidance (non-statutory)

Pupils should be introduced to the main body parts associated with the digestive system, for example, mouth, tongue, teeth, oesophagus, stomach and small and large intestine and explore questions that help them to understand their special functions.

Pupils might work scientifically by: comparing the teeth of carnivores and herbivores, and suggesting reasons for differences; finding out what damages teeth and how to look after them.

They might draw and discuss their ideas about the digestive system and compare them with models or images.

Key Vocabulary

1. incisor	A type of tooth, it bites and cuts food.
2. canine	A type of tooth, it tears and rips food.
3. premolar	A type of tooth, it holds and crushes food.
4. molar	A type of tooth, it grinds food.
5. digest	Break down food so it can be used by the body.
6. oesophagus	A muscular tube which moves food from the mouth to the stomach.
7. stomach	An organ in the digestive system where food is broken down with stomach acid and by being churned around.
8. small intestine	Part of the intestine where nutrients are absorbed into the body.
9. large intestine	Part of the intestine where water is absorbed from remaining waste food. Stools are formed in the large intestine.
10. rectum	Part of the digestive system where stools are stored before leaving the body through the anus.
11. herbivore	An animal that eats plants.
12. carnivore	An animal that feeds on other animals.
13. omnivore	An animal that eats plants and animals.
14. producer	A plant that produces its own food.
15. predator	An animal that hunts and eats other animals.
16. prey	An animal that gets hunted and eaten by another animal.
17. food chain	A 'chain' of plants and animals showing what is eaten by what and the flow of energy (the arrow direction shows this).

Key Assessment Questions

Can they identify, name and describe the functions of the basic parts of the digestive system in humans?

Can they identify the simple function of different types of teeth in humans?

Can they compare the teeth of herbivores and carnivores?

Can they identify, construct and interpret a variety of food chains, identifying producers, predators and prey?

Can they identify differences, similarities or changes related to simple scientific ideas or processes?

Greater Depth:

Can they classify living things and non-living things by a number of characteristics that they have thought of?

Can they explain how people, weather and the environment can affect living things?

Can they explain how certain living things depend on one another to survive?