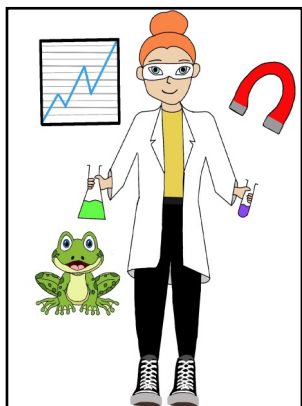




Knowledge Organiser

Year Group:	4	Subject:	Science– Animals, including humans	Term:	Summer 1
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Enquiry Question

What do our bodies do with the food we eat?

Substantive Knowledge (key facts)

- There are 3 main stages of the digestive system- Ingestion / Absorption / Excretion
- Humans have up to 32 adult teeth, made up of 4 different types.
 - ⇒ Incisors- to cut food.
 - ⇒ Canines- to tear food.
 - ⇒ Pre-molars- to crush food.
 - ⇒ Molars- to grind food
- Food chains begin with plant life, and end with animal life.
- Producers are able to make their own food - plants do this through photosynthesis.
- Primary consumers are animals that eat producers.
- Secondary consumers are animals that eat primary consumers.
- Tertiary consumers are animals that eat secondary consumers.

What should I already know?

- The parts of the human body and what they do.
- All animals need water, air and food to survive.
- The different ways in which humans are healthy.
- Animals get nutrition from what they eat.
- Humans and some animals have skeletons and muscles for support, protection and movement.
- What carnivores, omnivores and herbivores are.
- Excretion is one of the seven living processes.

Concept

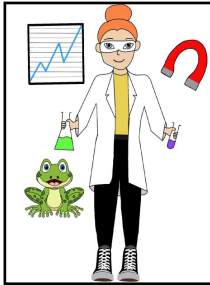


Scientific skills I am practising

- I can gather, record, classify and present information in a variety of different ways to help me answer questions
- I can identify differences, similarities or changes related to simple scientific ideas and processes

Sequence of learning

1)	Identify the basic parts of the digestive system and their functions in humans.
2)	Describe the simple functions of the basic parts of the digestive system in humans.
3)	Identify the different types of teeth in humans and explain their functions.
4)	Discuss the effects of tooth decay.
5)	Understand and construct simple food chains, identifying producers, predators



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Key vocabulary

Tier 2

Digestion—The process of digesting food.

Organs—The name of a group of different tissues working together to perform a job inside the body.

Food chain— A sequence describing how different animals eat each other, showing the order in which living things depend on each other for food.

Predator—An animal that hunts other animals for food.

Prey— An animal that is hunted or caught for food, usually by another animal.

Consumer—Consumers are organisms that feed on plants or other animals for energy.

Primary—Of first rank, importance, or value.

Secondary—Of second rank, importance, or value.

Tier 3

Ingestion—The process of taking food into the body through the mouth (as by eating).

Absorption—The process by which one substance soaks into or is taken in by another substance.

Excretion—The process by which organisms expels metabolic waste products and other toxic substances from their body.

Incisors— The teeth at the very front of your mouth that are used for cutting food.

Canines—The teeth at the sides of your mouth between the incisors and the molars. These are used for tearing up food.

Molars—The teeth at the back of your mouth which are used for grinding up food.

Pre-molars—The teeth between the canines and the molars which are used for grinding up food.

Photosynthesis—The process in which green plants use sunlight to make their own food.

Tertiary—Of third rank, importance, or value.