

Year 4 Science: **Animals, including humans**

Key Questions

- What is the function of the various parts of the digestive system?
- What is the function of different types of teeth in humans?
- How can changes in the environment impact a food web?

Knowledge

- Describes the simple functions of the basic parts of the digestive system in humans
- Identifies the different types of teeth in humans and their simple functions
- Constructs and interprets a variety of food chains, identifying producers, predators and prey

Skills

Observe and Compare

Look closely, to gather more information and viewpoints. What do you notice about...? What happens when...? Make comparisons to what they already know and express relationships between things. How are these the same and/or different? Where have you seen similar?

Sort and Organise

Classify things by recognisable traits and begin to understand that objects can belong to more than one group at a time. Record findings in pictures and graphs.

Predict

Question and speculate, based on prior knowledge. What will happen if? Begin to generalise about things.

Experiment

Plan investigation How can we test if...? Discuss appropriate form of scientific enquiry (such as observing changes over time.) Test out predictions and try out ideas. Make systematic observations and take accurate measurements and record findings and evaluate whether their test was fair

Conclude

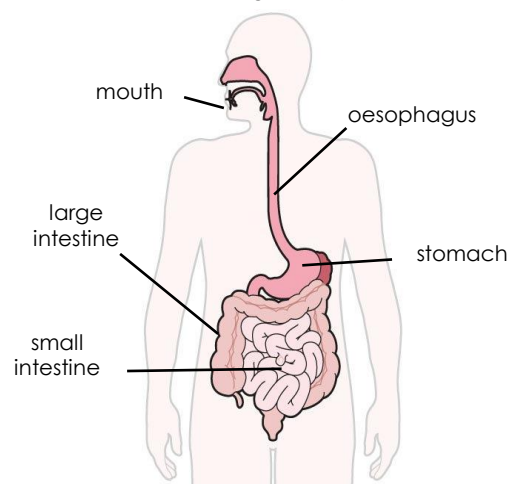
Communicate the findings of their experiments with others, taking their concrete experience, verbalising it, and representing the information abstractly with graphs, drawings, charts, and field books. Use results to draw simple conclusions using scientific evidence to support their findings

Apply

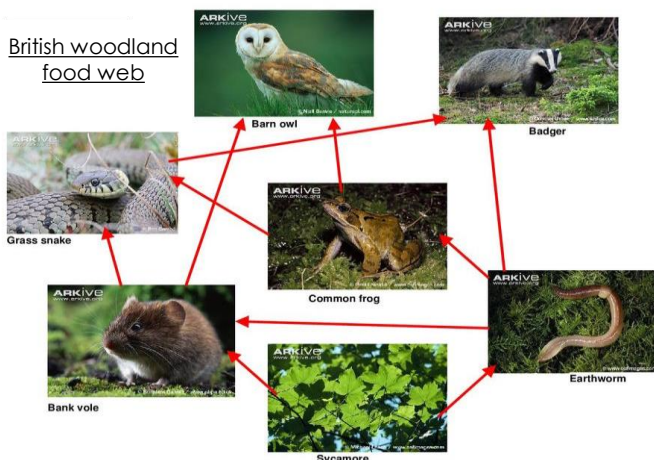
Apply the understandings gained from the experiment to a larger field of experience, broaden the scope of their experiments, try them again with new materials, and see if their understandings are consistent. What would happen if?

Key Vocabulary	Definition
Digestive system	The human digestive system is a complex series of organs and glands that processes food. In order to use the food we eat as energy, our body has to break the food down into smaller molecules that it can process; it also has to excrete (or get rid of) waste.
Oesophagus	The oesophagus is a muscular tube that connects the throat to the stomach. The oesophagus contracts as it moves food into the stomach.
Stomach	The stomach is like a stretchy sack where food is broken down by acids and enzymes.
Intestine	Your body has two sets of intestines: Small intestine: where food is broken down and nutrients are absorbed into the blood. Large intestine: where water is absorbed into the blood and waste is changed from liquid into a stool.
Predator	A predator in a food chain is a consumer that eats other consumers. Animals that eat other animals.
Producer	A plant that makes its own food from sunlight.
Prey	Animals that are eaten by predators.
Canines	Canines are the sharp pointy teeth in mammals' mouths used for tearing meat.
Molars	They are used for holding and crushing food. Molars are used exclusively for crushing and grinding.
Incisors	The incisors are the eight teeth that are most visible in the front of the mouth. The purpose of these teeth are to take bites out of food.

Human digestive system



British woodland food web



Teeth types

