



Brookfield Primary School Knowledge Organiser

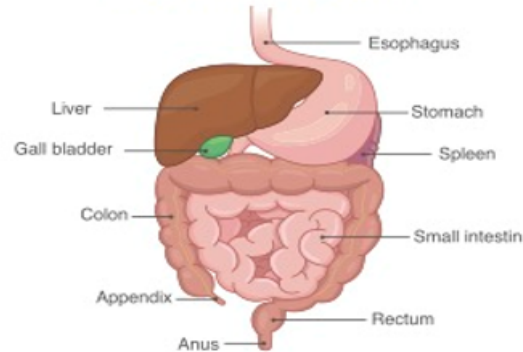


Year 4: Animals including humans

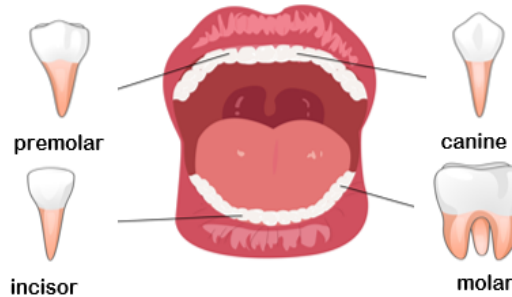
Science is the study of the world around us through observation, description, investigation and experimentation.

The Digestive System

- The digestive system begins with the **mouth** and **teeth** where food is ingested and chewed.
- Saliva is mixed with the food which helps to break it up.
- When the food is small enough to be swallowed, it is pushed down the **oesophagus** by muscles to the stomach.
- In the stomach, food is mixed further.
- The mixed food is then sent to the **small intestine** which absorbs nutrients from the food.
- Any leftover broken down food then moves on to the **large intestine**.
- The food minus the nutrients arrives in the **rectum** where muscles turn it into faeces (poo). It is stored here until it is pushed out by the **anus**. This is called excretion.



Types of Teeth and their function



Different teeth have different functions
Teeth of animals are designed for the foods they eat

- **Herbivores** (e.g., horses) have little use for canines and mainly use incisors and molars
- **Carnivores** (e.g., Lion) mainly use canines and incisors, they don't have molars (have premolars – small molars)
- **Omnivores** (e.g., humans) use all three

Tooth enamel is the hardest substance in the human body
Humans have two sets of teeth; milk teeth and adult teeth

Food Webs versus Food Chain



digestive system

Series of organs that break down food.

oesophagus

Tubes running from mouth to stomach

saliva

A fluid in the mouth which helps break down food.

peristalsis

The movement of food through parts of the digestive system.

incisors

Front teeth for cutting food.

molars

Wide, flat teeth for grinding food

enamel

Very hard layer covering the tooth.

fluoride

Ingredient in toothpaste that helps prevent cavities forming.

General Scientific Words

Investigate, observe, explore, experiment, group, record, analyse.

Identifying the organs in the digestive system.

Describe the functions of the main organs in the digestive system.

Identify the types of teeth and their functions.

Investigate the effects of different liquids on teeth.

Understand food chains.

Explore food webs.

