



Science – Year 4 Animals, Including Humans

(Previous knowledge – refer to
Knowledge Organiser Year 3 – Humans)

Vocabulary

Tier 1	Tier 2	Tier 3
Teeth	Digestion	Oesophagus
Food chain	Decay	Small intestine
Producer	Nutrition	Large intestine
Predator	Stomach	Incisor
Prey	Saliva	Canine
Energy	Premolar	Molar

Useful Resources

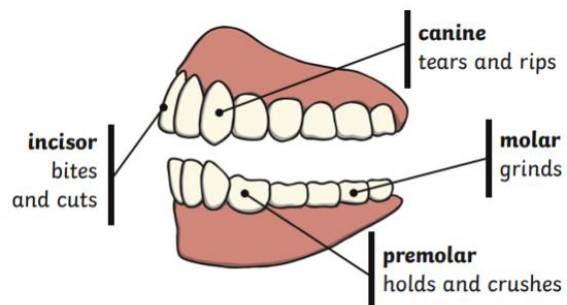
- Moulds and models of different teeth.
- Picture cards to create and order the components of a food chain.
- Video clips to demonstrate the processes of the digestive system.

Key Scientists:

Jane Goodall (Born 1934):
a British scientist who has studied chimpanzees for many years. She is considered to be the world expert on chimpanzee behaviour.

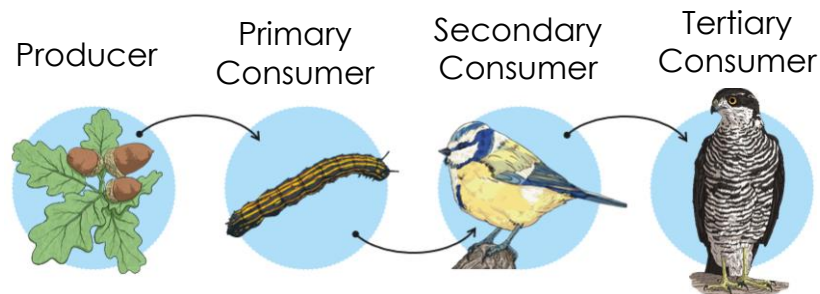


Human Teeth and Their Functions



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

Food Chains



Producers make their own food
Consumers are herbivores and eat producers
Predators are carnivores and eat prey
The arrows show the flow of energy.

Key Questions/Facts

How can we look after our teeth and prevent tooth decay?

- Limit sugary food and drink;
- Brush teeth at least twice daily using a fluoride toothpaste
- Visit the dentist regularly.

What is the digestive system?

- The digestive system is group of organs that work together to digest food. Humans digest food so that it breaks down and can then be used by the body.

What are the parts of the digestive system?

- Food enters the digestive system through the mouth.
- Teeth tear, cut and grind food to start breaking it down. Saliva is released to help this process.
- Swallowed food forms a round ball called a bolus which passes down into the oesophagus.
- Food enters the stomach where it mixes with acids and enzymes. Stomach muscles churn the food and it forms a liquid called chyme.
- Chyme is released into the first part of the small intestine called the duodenum. Digestive juices from the pancreas and bile from the liver/gall bladder mix with food here
- In the final two sections of the small intestine, nutrients are absorbed from food and then transported into the bloodstream.
- Food enters the large intestine where water is absorbed and faeces are formed until a person is ready to go to the toilet.