

Year 4: Animals including Humans

What should I already know?

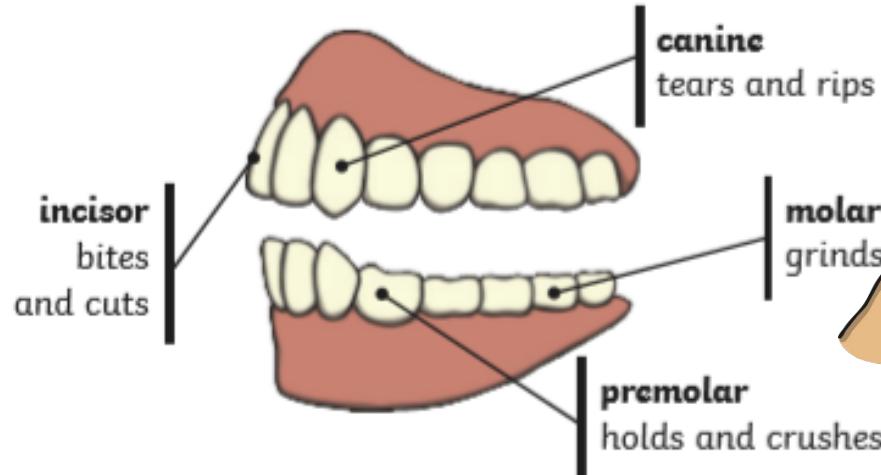
Science - Asking questions about how the world works and finding the answers.

May have some understanding that objects make different sounds.
Some understanding that they use their ears to hear sounds.
Know about their different senses.

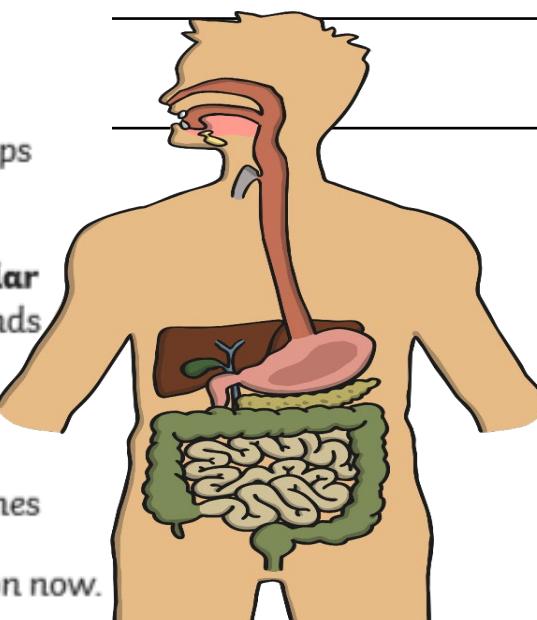
N/C - Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions.

Construct & interpret a variety of food chains, identifying producers, predators & prey.

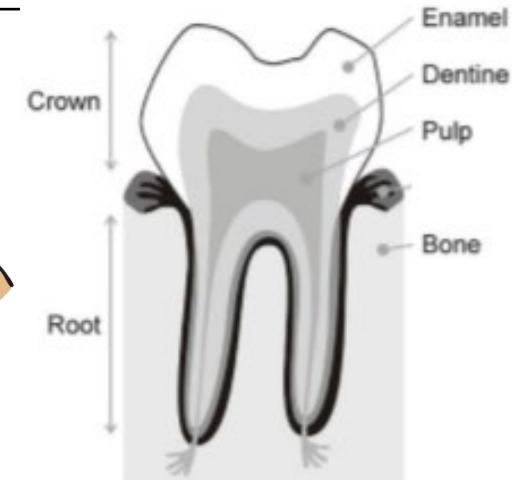
Human Teeth and Their Functions



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

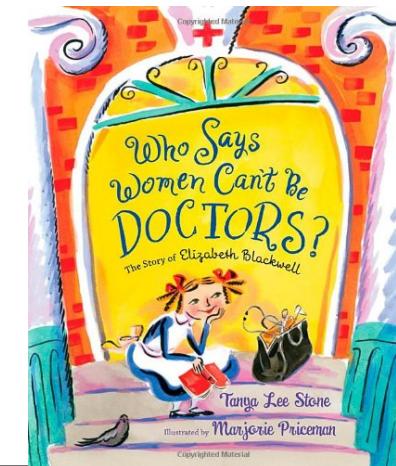
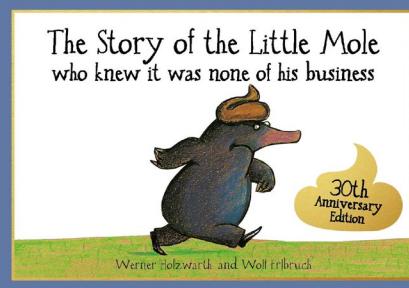


Parts of the Tooth



Significant information

The **digestive system** consist of organs that helps break down food so it can be used by the body.

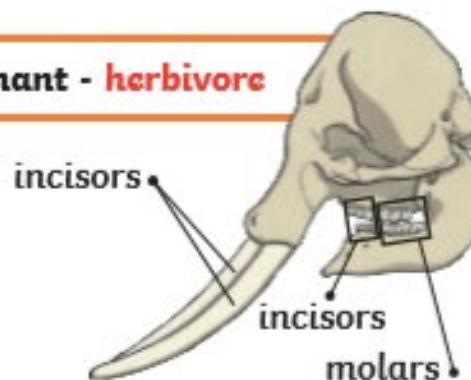


Interesting fact - A **dentist** is a scientist who diagnoses, prevents and treats patients with teeth health issues. An **anatomist** is a scientist who study organs in the human body.

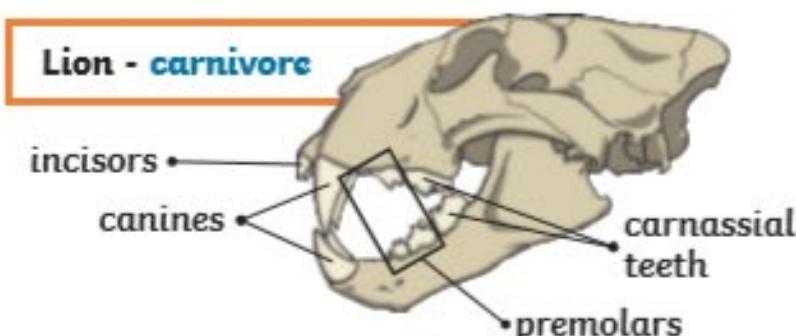
Glossary/Key Learning

Saliva	A liquid in your mouth that helps break down food.
Bolus	The mixture of your food and saliva.
Nutrients	Something that is needed to make your body healthy.
What are the organs in the digestive system?	Mouth, teeth, tongue, oesophagus, stomach, small intestines, large intestines, anus
What is the role of your teeth?	Incisors bite and cut food, canines tear and rip food, pre-molars crush the food and the molars grind the food.
How do we keep our teeth healthy?	Brush your teeth twice a day for 2 minutes. Avoid lots of sugary drinks and sweets. Visit the dentist regularly.
What is a food chain?	The order living things depend on each other for food.

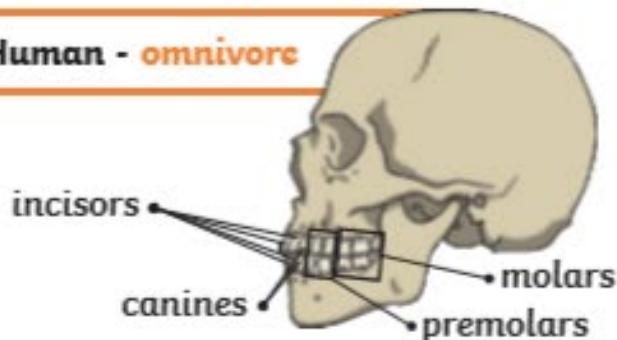
Elephant - herbivore



Lion - carnivore



Human - omnivore



Science Year 4 - Animals Including Humans

National Curriculum Objectives:			Prior Objectives:		
Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6
 Skill - Name  Knowledge - Name the organs involved in the digestive system.	 Skill - Investigate  Knowledge - Explain the role of the different organs in the digestive system.	 Skill - Compare  Knowledge - Identify the incisors, canines, premolars and molars.	 Skill - Make observations  Knowledge - Tooth decay occurs when teeth are not taken care of and a hole is created.	 Skill - Describe  Knowledge - A food chain shows how each animal gets its food.	 Skill - Label  Knowledge - The arrow in a food chain shows what the animal is eaten by.
<u>WALT:</u> Identify the parts of the digestive system. WILF: -Generate questions. -Name the organs. -Tell a partner what the digestive system is. What is the digestive system? Why do we need to poo? Chn predict the order of the different organs involved in the digestive system. Teach chn the name of the different body parts Chn generate their own questions about the digestive system and the different parts of the human body. Recording: Chn label their digestive system.	<u>WALT:</u> Explain the parts of the digestive system. WILF: -Experiment safely -Explain the functions of different body parts. -Use key words Model the digestive system using tights. Children repeat the experiment and make their own poo. Act out the organs in the digestive system. What is the role of the mouth? Oesophagus? Stomach? Etc.	<u>WALT:</u> Identify types of teeth in humans. WILF: -Name the teeth -Use actions to show the functions of the teeth. -Match the animals to their teeth, Chn learn about the 4 different types of teeth. Discuss why we have different types of teeth. Compare teeth of herbivores, carnivores and omnivores. Why are they different? Match the animal to their teeth.	<u>WALT:</u> Understand how to keep teeth healthy. WILF: -Experiment safely. -Experiment fairly. -Make observations. What is tooth decay? Chn take 4 hardboiled eggs and place it into 4 different liquids. E.g. Water, Coke, vinegar and blackcurrant juice. Observe what happens to the eggs every day for a week. Chn make predictions on what they think will happen. What can we do to keep our teeth healthy?	<u>WALT:</u> Interpret food chains. WILF: -Identify the producer -Identify the predator -Identify the prey What is a food chain? Define predator, producer and prey.	<u>WALT:</u> Construct food chains. WILF: -Identify the producer -Identify the predator -Identify the prey Recap the previous lesson. Look at different types of food chains and attempt to interpret. Identify the producer, predator and prey. Compare teeth of herbivores, carnivores and omnivores. Recording: Chn are given pictures of various animals which they use to create their own food chain. Remind chn the arrow needs to show what the animal is eaten by.
Assessment: Use the vocabulary mat to assess the children's prior knowledge and use the mats again to assess what the children have learnt. Key Vocabulary: Herbivore, Carnivore, digestive system, tongue, mouth, teeth, oesophagus, stomach, gall bladder, small intestine, pancreas, large intestine, liver, tooth, canine, incisor, molar, premolar, producer, consume, predator, prey					



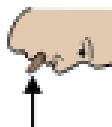
herbivore



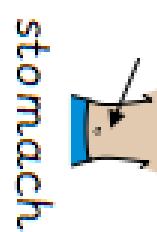
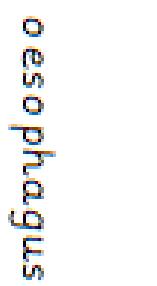
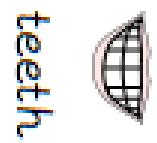
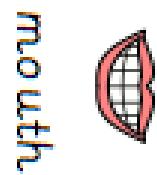
carnivore



digestive system



tongue



gall bladder

small intestine

pancreas

large intestine

liver



canine

incisor



mucus

pre-molar



producer

predator

prey