

Year 4 – Animals including humans

NB – This document should be used in conjunction with the support planning material created by S.Lines.

By the end of the unit children should know that.... (Sticky Knowledge)

- Animals have teeth to help them eat.
- Different types of teeth do different jobs.
- Food is broken down by the teeth and further in the stomach and intestines where nutrients go into the blood.
- The blood takes nutrients around the body.
- Nutrients produced by plants move to primary consumers then to secondary consumers through food chains.



Secure learning indicators

Can use the model to describe the journey of food through the body explaining what happens in each part.

Can record the teeth in their mouth (make a dental record)

Can explain how the teeth in animal skulls show they are carnivores, herbivores or omnivores.

Can sequence the main parts of the digestive system

Can draw the main parts of the digestive system onto a human outline

Can describe what happens in each part of the digestive system

Can point to the three different types of teeth in their mouth and talk about their shape and what they are used for.

_____ has identified the different types of teeth, described their functions, their importance in the digestive system and how to care for them. _____ can name and describe the functions of the main parts of the digestive system.

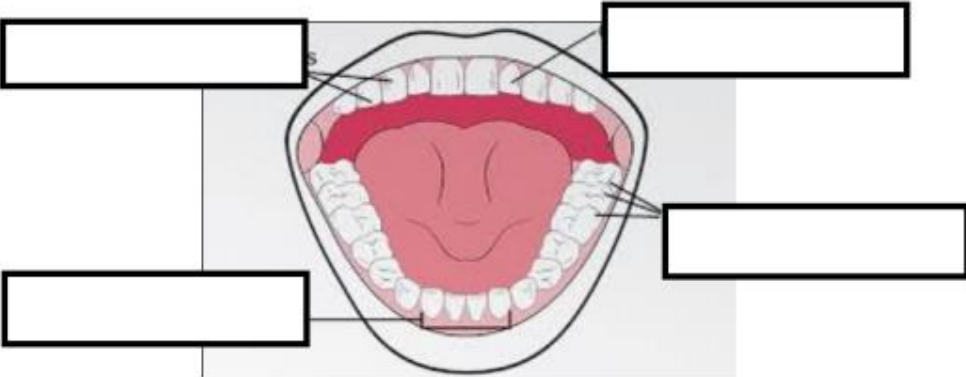
Assessment Indicators for working scientifically in Year 4 - Use results to draw simple conclusions, suggest improvements and raise further questions. (context= comparing teeth in different liquids)

Working Towards: Describes differences, e.g. the egg is OK in milk/water but not in coke.

Secure: Can order liquids according to damage done to eggs and suggest reasons why. Able to raise further questions, e.g. I thought sports drink/orange juice was a 'healthy' drink but it was not, I wonder whether these drinks contain a lot of sugar?

Mastery: Would be able to think about other liquids or factors including acid and carbonated drinks and suggest causal relationships, e.g. the more acid/sugar in the drink, the worse the damage. Can recognise problems with the test, e.g. use of eggs not teeth, eggs were in liquid for 1 week but I do not keep coke in my mouth for 1 week!

Cold/ Hot task ideas...

<p>Question 1: Label the types of teeth: incisors, molars, premolars, canines</p>	<p>Question 4: What carries food from the mouth to the stomach?</p>
	<p>tongue</p> <p>oesophagus</p> <p>teeth</p> <p>blood</p>
<p>Question 2: Place these in order of what happens in the digestive system</p>	<p>Question 5: The substance that helps break down food in the mouth is...</p>
<p>teeth chew food and saliva helps the food to break down.</p>	<p>oesophagus</p>
<p>any final nutrients are absorbed before waste is pushed out by the anus.</p>	<p>saliva</p>
<p>in the stomach the food is mixed further and then sent to the intestines</p>	<p>nutrients</p>
<p>the food is pushed down the oesophagus to the stomach.</p>	<p>stomach</p>
<p>Question 3: Which of these life processes takes place when waste is pushed out?</p>	
<p>respiration</p>	
<p>reproduction</p>	
<p>excretion</p>	
<p>growth</p>	

What happens in your stomach?

What is a carnivore?

What is a herbivore?

What is an omnivore?

Animals including Humans

What do you know?

Describe two ways you can look after your teeth.

What does tooth decay mean?

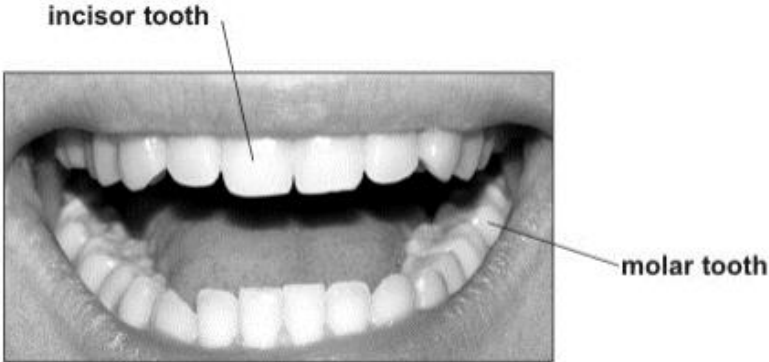
What causes it?

What is a predator?

Draw a simple food chain.

Support section

Different teeth have different functions when we eat food.



What function do the **incisor teeth** have that molar teeth do not?

.....

2. Join the right part of the digestive system to its job.

Part of the digestive system	Jobs
Saliva	Releases bile into the duodenum when needed.
Gall bladder	First part of the small intestine.
Liver	Helps chew, taste or swallow.
Duodenum	A muscular tube which forms the path from the mouth to the stomach.
Oesophagus	Produces bile which helps to absorb fats.

Living things



frog



slug



kestrel



lettuce

Slugs can eat lettuces.
Kestrels can eat frogs.
Frogs can eat slugs.

Write this as a food chain.

