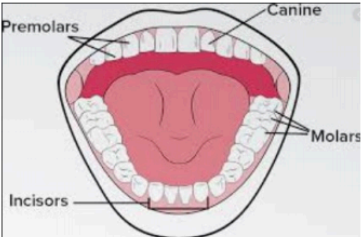


# Caroline Haslett Primary School - Science Topic: Animals Including Humans Year 4

What should I already know?		Investigate!																																														
<ul style="list-style-type: none"> <li>The parts of the human body and what they do.</li> <li>All animals need water, air and food to survive.</li> <li>The different ways in which humans are healthy.</li> <li>Animals get <b>nutrition</b> from what they eat.</li> <li>Humans and some animals have skeletons and <b>muscles</b> for support, protection and movement.</li> <li>What <b>carnivores</b>, <b>omnivores</b> and <b>herbivores</b> are.</li> <li><b>Excretion</b> is one of the seven living processes.</li> </ul>		<ul style="list-style-type: none"> <li>Investigate the amount of sugar in drinks and learn how sugar leads to an increase in <b>plaque</b> and how this destroys tooth <b>enamel</b>.</li> <li>Compare the teeth of <b>carnivores</b>, <b>omnivores</b> and <b>herbivores</b>. What do you notice?</li> <li>Match animals to their teeth and explain your reasons for this.</li> <li>Identify the parts of the <b>digestive</b> system and explain their functions</li> <li>Create a presentation to show how our food is <b>digested</b>.</li> </ul>																																														
What will I know by the end of the unit?		Vocabulary																																														
What is the role of our <b>teeth</b> and how do we look after them?	<ul style="list-style-type: none"> <li>Teeth are used for cutting and chewing food.</li> <li>They start the <b>digestive process</b> which gives us the energy we need to live.</li> <li>Humans look after their teeth by brushing and flossing and ensuring that they do not eat foods high in sugar.</li> <li>Not looking after teeth can lead to an increase in <b>plaque</b> and <b>tooth decay</b>.</li> </ul>	<table border="1"> <tr><td>absorb</td><td>soak up or take in</td></tr> <tr><td>canine</td><td>pointed teeth near the front of the mouth of humans and of some animals</td></tr> <tr><td>carnivore</td><td>an animal that eats meat</td></tr> <tr><td>decay</td><td>gradually destroyed by a natural <b>process</b></td></tr> <tr><td>digestion</td><td>breaking down <b>ingested</b> food material</td></tr> <tr><td>enamel</td><td>the hard white substance that forms the outer part of a tooth</td></tr> <tr><td>excretion</td><td>the process of eliminating <b>faeces</b>, urine, or sweat from the body</td></tr> <tr><td>faeces</td><td>the solid waste substance that people and animals get rid of from their body by passing it through the anus</td></tr> <tr><td>herbivore</td><td>an animal that only eats plants</td></tr> <tr><td>incisor</td><td>the teeth at the front of your mouth which you use for biting into food</td></tr> <tr><td>ingested</td><td>When animals or plants <b>ingest</b> a substance, they take it into themselves, for example by eating or <b>absorbing</b> it</td></tr> <tr><td>intestines</td><td>the tubes in your body through which food passes when it has left your <b>stomach</b></td></tr> <tr><td>molar</td><td>the large, flat teeth towards the back of your mouth that you use for chewing food</td></tr> <tr><td>muscles</td><td>something inside your body which connects two <b>bones</b> and which you use when you make a movement</td></tr> <tr><td>nutrition</td><td>the process of taking food into the body and <b>absorbing</b> the <b>nutrients</b> in those foods</td></tr> <tr><td>oesophagus</td><td>the part of your body that carries the food from the throat to the <b>stomach</b></td></tr> <tr><td>omnivore</td><td>person or animal eats all kinds of food, including both meat and plants</td></tr> <tr><td>organ</td><td>a part of your body that has a particular purpose</td></tr> <tr><td>plaque</td><td>a substance containing bacteria that forms on the surface of your <b>teeth</b></td></tr> <tr><td>premolar</td><td>two situated on each side of both <b>jaws</b> between the first <b>molar</b> and the <b>canine</b></td></tr> <tr><td>process</td><td>a series of actions used to produce something or reach a goal.</td></tr> <tr><td>saliva</td><td>the watery liquid that forms in your mouth and helps you to chew and digest food</td></tr> <tr><td>stomach</td><td>the <b>organ</b> inside your body where food is <b>digested</b> before it moves into the <b>intestines</b></td></tr> </table>	absorb	soak up or take in	canine	pointed teeth near the front of the mouth of humans and of some animals	carnivore	an animal that eats meat	decay	gradually destroyed by a natural <b>process</b>	digestion	breaking down <b>ingested</b> food material	enamel	the hard white substance that forms the outer part of a tooth	excretion	the process of eliminating <b>faeces</b> , urine, or sweat from the body	faeces	the solid waste substance that people and animals get rid of from their body by passing it through the anus	herbivore	an animal that only eats plants	incisor	the teeth at the front of your mouth which you use for biting into food	ingested	When animals or plants <b>ingest</b> a substance, they take it into themselves, for example by eating or <b>absorbing</b> it	intestines	the tubes in your body through which food passes when it has left your <b>stomach</b>	molar	the large, flat teeth towards the back of your mouth that you use for chewing food	muscles	something inside your body which connects two <b>bones</b> and which you use when you make a movement	nutrition	the process of taking food into the body and <b>absorbing</b> the <b>nutrients</b> in those foods	oesophagus	the part of your body that carries the food from the throat to the <b>stomach</b>	omnivore	person or animal eats all kinds of food, including both meat and plants	organ	a part of your body that has a particular purpose	plaque	a substance containing bacteria that forms on the surface of your <b>teeth</b>	premolar	two situated on each side of both <b>jaws</b> between the first <b>molar</b> and the <b>canine</b>	process	a series of actions used to produce something or reach a goal.	saliva	the watery liquid that forms in your mouth and helps you to chew and digest food	stomach	the <b>organ</b> inside your body where food is <b>digested</b> before it moves into the <b>intestines</b>
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What are the different names and functions of human <b>teeth</b> ?	 <ul style="list-style-type: none"> <li><b>Canines</b> are pointed for tearing and ripping food - these are usually used when chewing meat.</li> <li><b>Incisors</b> are shovel shaped and help bite lumps out of and cutting food.</li> <li><b>Premolars</b> and <b>molars</b> are flat and they grind and crush food.</li> </ul>																																															

The Digestive System	
<ul style="list-style-type: none"> <li>The smell of food triggers <b>saliva</b> to be produced.</li> <li>The <b>digestive</b> system begins with the mouth and teeth where food is <b>ingested</b> and chewed.</li> <li><b>Saliva</b> is mixed with the food which helps to break it up.</li> <li>When the food is small enough to be swallowed, it is pushed down the <b>oesophagus</b> by <b>muscles</b> to the <b>stomach</b>.</li> <li>In the <b>stomach</b>, food is mixed further.</li> <li>The mixed food is then sent to the small <b>intestine</b> which <b>absorbs nutrients</b> from the food.</li> <li>Any leftover broken down food then moves on to the large <b>intestine</b>.</li> <li>The food minus the nutrients arrives in the rectum where <b>muscles</b> turn it into <b>faeces</b>. It is stored here until it is pushed out by the anus. This is called <b>excretion</b>.</li> </ul>	