

Caedmon Primary School Science Curriculum  
 Year 4  
 Autumn A  
 Animals Inc. Humans



**Big Question - What Happens to the Food We Eat?**

<b>Challenge 1</b>	<b>What Happens to a Piece of Chocolate Once You Swallow It?</b>	<b>Assessment</b>
<p style="text-align: center;"><b>Statutory Requirement 1</b></p> <p style="text-align: center; color: purple;">Describe the simple functions of the basic parts of the digestive system in humans.</p>	<ul style="list-style-type: none"> <li>- In pairs/ groups of 3, children to use large sheets of wallpaper to draw around themselves. Can they then name parts of the body? (particular focus on the inside of the body and vital organs)               <ul style="list-style-type: none"> <li>- Children to present their bodies.</li> </ul> </li> <li>- Children to eat chocolate – teaching input of its journey with video clips. Naming and reinforcing of vital body parts.</li> <li>- Children to add to/ alter their diagrams to follow the journey.</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Teacher questioning.</b></li> <li>- <b>Children asking their own questions based upon learning.</b></li> </ul>
<b>Challenge 2</b>	<b>What is the Digestive System and Why Is It Important?</b>	<b>Assessment</b>
<p style="text-align: center;"><b>Statutory Requirement 1</b></p> <p style="text-align: center; color: purple;">Describe the simple functions of the basic parts of the digestive system in humans.</p>	<ul style="list-style-type: none"> <li>- Review last week and the human bodies created. What can they remember? What happened to the chocolate?</li> <li>- Children to carry out an experiment to recreate the journey of last week's chocolate by creating a digestive system.</li> <li>- Teaching input throughout to discuss parts of the digestive system and their function.</li> </ul>	<p style="text-align: center;"><b>Exit Slip. In a few sentences, answer Challenge 1 &amp; 2 questions.</b></p>
<b>Challenge 3</b>	<b>Why Do We Have Different Types of Teeth, and What do They Do?</b>	<b>Assessment</b>
<p style="text-align: center;"><b>Statutory Requirement 2</b></p> <p style="text-align: center; color: purple;">Identify the different types of teeth in humans</p>	<ul style="list-style-type: none"> <li>- Children to use a mirror to make a model of their own teeth.</li> <li>- Red and white playdoh to be used. Children to concentrate upon the shape of their individual teeth describing them as they model them (sharp and pointy etc). Children to place labels and descriptions on their models.</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Video clips of children presenting their labelled models to the class and describing them.</b></li> <li>- <b>Montage of models in floor book.</b></li> </ul>

and their simple functions.	<ul style="list-style-type: none"> <li>- Children to eat a selection of food and identify which teeth they have used.</li> <li>- Teaching input of the scientific names for each of the teeth and their functions.</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Exit slip. In a few sentences, answer challenge 3 questions.</b></li> </ul>
<b>Challenge 4</b>	<b>DENTISIT VISIT – Caring for teeth!</b>	<b>Assessment</b>
	<p>The dentist will visit school to speak to the children about how to care for their teeth. They will complete an activity with disclosure tablets to find out how much plaque is on their teeth and how they should be brushing them. Teaching from the week before will be reinforced.</p> <p><b>Introduce next week and set up investigation in groups.</b></p>	<ul style="list-style-type: none"> <li>- <b>Teacher questioning</b></li> <li>- <b>Children’s observations and questioning</b></li> </ul>
<b>Challenge 5</b>	<b>Which Drinks are Harmful To Our Teeth?</b>	<b>Assessment</b>
<b>INVESTIGATION</b>	<ul style="list-style-type: none"> <li>- Children will be placing eggshells in different drinks to find out the effects of the drinks on teeth.</li> <li>- Reinforce the work completed by the dentist the week before on caring for teeth.</li> <li>- Investigation write up to be completed following SMART.</li> </ul>	<b>Write up in science books</b>
<b>Challenge 6</b>	<b>Why are Sharks Teeth Different To Ours and What Do They Eat?</b>	<b>Assessment</b>
<p><b>Statutory Requirement 3</b></p> <p>Construct and interpret a variety of food chains, identifying producers, predators and prey.</p>	<ul style="list-style-type: none"> <li>- Re-cap human teeth names and functions.</li> <li>- Show pictures of shark’s teeth. How do you think they are different/ the same as our teeth?</li> <li>- Children to use I-pads to find out as much information as they can about sharks teeth.</li> <li>- Show the children a variety of animals and ask them what they think they eat?</li> <li>- Play food chain game (see idea in creative science book). This will allow the children to consider what eats what. If the children are unable to identify what each animal will eat,</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Note sheets with key questions the children want to ask/ find out about.</b></li> <li>- <b>Exit sheet. Based upon food chains. Create a labelled food chain.</b></li> </ul>

	<p>then they need to use a way to find the answer (I-pad, or book).</p> <ul style="list-style-type: none"><li>- Teach the children the key scientific vocabulary of a food chain and how they are presented.</li><li>- Challenge children to create different food chains. How long can they make them?</li></ul>	