

Topic Name	Animals including humans
Big Question	How do we know the person next to us is alive?
Scientists to use as examples	Joseph Lister, Ivan Pavlov, Washington and Lucius Sheffield
Key Knowledge	<ul style="list-style-type: none"> • 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 and interpret a variety of food chains, identifying producers, predators and prey <p>Pupils should be introduced to the main body parts associated with the digestive system, for example: mouth, tongue, teeth, oesophagus, stomach, and small and large intestine, and explore questions that help them to understand their special functions.</p>
Key investigational skills	<p>Pupils might work scientifically by: comparing the teeth of carnivores and herbivores and suggesting reasons for differences; finding out what damages teeth and how to look after them. They might draw and discuss their ideas about the digestive system and compare them with models or images.</p> <p>Q & A sessions at the beginning and end of each topic and relevant to each session of teaching. Big Questions displayed.</p> <p>Egg shell experiment.</p> <p>Tooth dye experiment.</p> <p>Food chain hunt.</p> <p>Drawing food chain diagrams.</p> <p>Use of Internet.</p> <p>Diagrams for digestive system and of teeth.</p> <p>Class and group discussions. Adding work to class displays.</p> <p>Finding missing link in web.chain.</p> <p>Considering different food chains.</p> <p>Responses to Q & A Sessions.</p> <p>Completing end of topic quiz.</p>
Vocabulary	Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey

<p>Prior learning – what children should know</p>	<p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores. (Y1 - Animals, including humans) • Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). (Y2 - Animals, including humans) • Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. (Y2 - Animals, including humans) • Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. (Y3 - Animals, including humans)</p>
<p>Future learning – next time they will be learning</p>	<p>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. (Y6 - Animals, including humans) • Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. (Y6 - Animals, including humans) • Describe the ways in which nutrients and water are transported within animals, including humans. (Y6 - Animals, including humans)</p>
<p>Visits</p>	<p>Dentist Colgate free resources Doctor/nurse</p>
<p>Book links</p>	<p>The Magic School Bus – Inside the human body – Joanna Cole</p>