

# Perton Primary Academy Knowledge Organiser

Science Topic: Food and the Digestive system	Year Group: 4
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**Overview:**  
 The children will revisit learning and vocabulary from earlier year groups, looking at producers and consumers. This will lead them into changes in habitats and food chains.  
 The children will learn about the human digestive system and explore the main parts and functions, starting with the mouth and teeth. Children will identify teeth types and their structures, which will lead them onto learning about tooth decay. They will end the topic with an investigation into how toothpaste protects our enamel.

	Evident in books
	Evident in pupil voice

<p><b>Opportunities to develop working scientifically:</b></p> <ul style="list-style-type: none"> <li>- Observation skills</li> <li>- Scientific skills for gathering and recording information.</li> <li>- Comparing.</li> </ul>	<p><b>Key vocabulary:</b></p> <ul style="list-style-type: none"> <li>• Producer</li> <li>• Consumer</li> <li>• Food</li> <li>• Chains</li> <li>• Prey</li> <li>• Predator</li> <li>• Digestion</li> <li>• Digestive organs</li> <li>• Types of tooth and tooth structure</li> <li>• Bacteria</li> <li>• Fluoride</li> <li>• Tooth decay</li> </ul>
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<p><b>Prior Learning:</b>          Year 3 - Animal nutrition          Year 2 - Habitats and animal survival          Year 1 - Animal parts</p>	<p><b>Future Learning:</b>          Year 4 - Grouping and classifying (Spring term)</p>
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### Key knowledge:

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.

### Memorable Learning Experiences:

Investigation into how toothpaste protects our enamel.

### Assessment Questions:

- What is the role of a producer in a food chain?
- How does the human digestive system work?
- What is the role of molars?
- How does fluoride protect teeth?