



Science Unit Planner Year: 4

Title: Human Nutrition

Unit Overview	In this unit the children develop further their knowledge of the human body and how humans grow, change and survive. It follows on from the work the children will have already covered regarding human nutrition. This unit now explains how the food and nutrients travels through the body and how humans get rid of waste.	
Prior Learning/ Links	EY – Describe how to keep healthy and stay clean, knowing parts of the body. How to look after teeth KS1 – The importance of keeping healthy during PSHE, knowing the things animals and humans need to survive and be healthy: food, water, air, exercise, hygiene. Children construct a simple food chain. KS2 – Children look at how humans grow from babies and what they need to survive.	
Unit Title:	Substantive Knowledge	Disciplinary Knowledge
Key Questions: What is digestion? How is food digested? What teeth do humans have? What is a food chain?	<ul style="list-style-type: none"> Children can list the basic parts and functions of the digestive system. 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. Children can explain in simple terms what happens when you eat something: <ul style="list-style-type: none"> -Food is placed in the mouth and chewed then swallowed. - It passes down the oesophagus to the stomach. - The stomach is a muscle that crushes and mashes the food into a thick liquid and Mixes it with acid - The mixture passes to the small intestine, where nutrients pass into the blood - The food that is left goes to the large intestine. - Waste passes through the rectum and out of the anus. To know that teeth are part of the skeletal system. Children can name different teeth and their purpose – incisors/canines/molars Children can construct a simple food chain including producer, prey, primary consumer, secondary consumer and understand that a food chain starts with energy – usually from the sun (or artificial light), the producer is usually a green plant or algae. Know that consumers get their food by eating plants, Secondary consumers may eat plants and other consumers, Predators eat other animals, Prey are animals that are eaten by other animals. 	Questioning and Planning Ask relevant questions and set up an enquiry Set up a fair test stating what the variable is Make simple predictions Observation and Measurement Make careful observations. Use data loggers to measure. Recording and Presenting Record using charts and graphs Present information clearly for others. Analysing and Evaluating Compare findings with predictions Evaluate the accuracy of the test.
Vocabulary	Trips/ Visits/Useful Websites/ Resources	Key Misconceptions:
Teeth Mouth Oesophagus Stomach Intestines Pancreas	https://www.stem.org.uk/resources/community/collection/12365/year-4-animals-including-humans https://www.stem.org.uk/resources/elibrary/resource/35396/digestive-system-experiment	



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<p>Liver Anus Acid prey consumer predator energy incisor canine molar</p>	<p>The human body - Year 3/4 - P4/5 - Science Collection - Home Learning with BBC Bitesize - BBC Bitesize</p> <p>What is the digestive system? - BBC Bitesize</p> <p>The human digestive system - National Geographic Kids (natgeokids.com)</p>	
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