



## Science Unit Planner Year: 2

## Title: Feeding and Growing

Unit Overview	In this unit the children learn about how living things grow and change. It covers both plants and animals and teaches children about what things need to thrive. The children learn about what humans need to be healthy and how food can have an impact on health.	
Prior Learning/ Links	EYFS – describe how to eat healthy foods, exercise and keep clean Year 1 – the importance of healthy eating and exercise (in PSHE)	
Unit Title:	Substantive Knowledge	Disciplinary Knowledge
<p>Key Questions:</p> <p>What do animals need to survive? What do humans have to eat to be healthy? Why is it important for humans to exercise? How does exercise affect a body? What happens if you don't wash your hands?</p>	<ul style="list-style-type: none"> <li>• Notice that animals, including humans, have offspring which grow into adults.</li> <li>• How do humans change over time as they grow? (life cycle of a human)</li> <li>• Find out about and describe the basic needs of animals, introducing humans, for survival (water, food and air)</li> <li>• Understanding that food can be sorted into different food groups.</li> <li>• Describe the importance for humans of exercise.</li> <li>• Eating the right amounts of different types of food</li> <li>• Understanding hygiene and the effects of not washing hands on the body.</li> </ul> <p>PLANTS:</p> <ul style="list-style-type: none"> <li>• Know that plants need food and light in order to grow well.</li> <li>• Know that if you change where plants are, it can make them thrive or die.</li> <li>• Children can talk about how plants change from seeds/ bulbs to germination, to fully grown plants.(life cycle of a plant)</li> </ul>	<p><u>Questioning and Planning</u> Talk about differences noted in people and animals Talk about healthy eating and hygiene Ask simple questions and suggest how they could be answered</p> <p><u>Observation and Measurement</u> Observing how humans and animals change over time Observing different types of plants in different habitats Observing the effects of bacteria from hands (onto bread) from washing/not washing</p> <p><u>Recording and Presenting</u> Record findings of experiment into pulse rates after exercise Sorting and grouping different types of food Recording findings into bacteria investigation</p> <p><u>Analysing and Evaluating</u> Evaluating findings of experiments</p>
Vocabulary	Trips/ Visits/Useful Websites/ Resources	Key Misconceptions:
<p><b>Substantive:</b> Offspring Growing Baby Toddler Child</p>	<p>Crossover with PSHE topic on healthy eating and exercise</p> <p><a href="#">Plants - KS1 Science - BBC Bitesize</a></p>	<p>That all fats and sugars are bad</p> <p>That eating a lot of one type of food is healthy.</p> <p>That animals are either babies or adults and do not go through the same process of growth</p>



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<p>Teenager Adult Carbohydrates Protein Fat Vegetables Sugar Bacteria Plant Survive healthy <b>Disciplinary:</b> Experiment Investigate Life Cycle Reproduction Observe explain</p>	<p><a href="#">Keeping my body healthy - BBC Teach</a>  <a href="https://www.youtube.com/watch?v=Ff5_5fyL0CM&amp;scrybrkr=b26f10af">https://www.youtube.com/watch?v=Ff5_5fyL0CM&amp;scrybrkr=b26f10af</a></p>	<p>That a good diet is linked to being 'on a diet' or losing weight.</p>
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