






<p><b>Programme of Study Statements</b></p> <ul style="list-style-type: none"> <li>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.</li> <li>Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</li> </ul>					<p><b>Key Vocabulary</b></p> <p>Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine</p>
<p><b>Investigations and Skills for thinking like a Scientist</b></p> <div style="display: flex; justify-content: space-around; align-items: center;">      </div>					<p><b>Sticky Knowledge:</b></p> <p>Different animals are adapted to eat different foods.</p> <ul style="list-style-type: none"> <li>Many animals have skeletons to support their bodies and protect their organs.</li> <li>Muscles are connected to bones and move them when they contract.</li> <li>Movable joints connect bones.</li> </ul>
<p><b><u>Comparative Tests</u></b></p> <p>How does the angle that your elbow/knee is bent affect the circumference of your upper arm/thigh?</p> <p>How does the skull circumference of a girl compare with that of a boy?</p>	<p><b><u>Identify &amp; Classify</u></b></p> <p>How do the skeletons of different animals compare?</p>	<p><b><u>Observation over time</u></b></p> <p>How does our skeleton change over time? (from birth to death)</p>	<p><b><u>Pattern seeking</u></b></p> <p>Do male humans have larger skulls than female humans?</p>	<p><b><u>Research</u></b></p> <p>Why do different types of vitamins keep us healthy and which foods can we find them in?</p>	<p><b>Prior Knowledge:</b></p> <ul style="list-style-type: none"> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). (Y2 - Animals, including humans)</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. (Y2 - Animals, including humans)</li> </ul>
<p><b>Potential Evidence to support our Scientists (I can..):</b></p> <p>Can name the nutrients found in food</p> <ul style="list-style-type: none"> <li>Can state that to be healthy we need to eat the right types of food to give us the correct amount of these nutrients</li> <li>Can name some bones that make up their skeleton, giving examples that support, help them move or provide protection</li> <li>Can describe how muscles and joints help them to move</li> <li>Can classify food into those that are high or low in particular nutrients</li> <li>Can answer their questions about nutrients in food, based on their gathered evidence</li> <li>Can talk about the nutrient content of their daily plan</li> <li>Use their data to look for patterns (or lack of them) when answering their enquiry question</li> <li>Can give similarities e.g. they all have joints to help the animal move, and differences between skeletons</li> </ul>					<p><b>Future Knowledge:</b></p> <ul style="list-style-type: none"> <li>Describe the simple functions of the basic parts of the digestive system in humans. (Y4 - Animals, including humans)</li> <li>Identify the different types of teeth in humans and their simple functions. (Y4 - Animals, including humans)</li> <li>Construct and interpret a variety of food chains, identifying producers, predators and prey. (Y4 - Animals, including humans)</li> </ul> <p>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. (Y6 - Animals, including humans)</p>

<b>Big Question:</b> <b>Why do animals have skeletons?</b> <b>What is a healthy diet and why is it important?</b>		
<b>Cultural Capital</b>		
<b>Visits and visitors</b> We the curious (Bristol) Visit from the School nurse or parent that is a doctor, dentist, nurse or nutritionist.	<b>Experiences and events</b> Take part in the Wickwar Fun Run School sports day Sports clubs after school	<b>Key texts</b> <i>The Story of Frog Belly Rat Bone</i> (Timothy Basil Ering) <b>Funnybones</b> (Janet and Allan Ahlberg) <i>I Will Never Not Ever Eat a Tomato</i> (Lauren Child) <b>Goldilocks and the Three Bears</b> (Samantha Berger)
<b>Community events and links</b> Food Bank Take part in the Wickwar Fun Run	<b>Global issues</b> Food shortages in different countries. Global Aid charities.	<b>Famous people/ Key Scientists</b>  <b>Adelle Davis</b> (20th Century Nutritionist) <b>Marie Curie</b> (Radiation / X-Rays)
<b>Life Skills</b> Curiosity Teamwork Problem Solving Resilience Making Links	<b>Key places</b> Lower Woods School grounds Wickwar Playing Fields	