

Science Overview – Animals Including Humans	
Year Six	
Spring 1	
<b>Key Question: Why is it important to have a healthy body and mind?</b> <b><u>National Curriculum</u></b> <ul style="list-style-type: none"> <li>identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</li> <li>recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</li> <li>describe the ways in which nutrients and water are transported within animals, including humans</li> </ul> <b><u>SUBSTANTIVE KNOWLEDGE</u></b> <ul style="list-style-type: none"> <li>Understand what the circulatory system is and describe its main parts.</li> <li>Understand that mammals have hearts and how they pump blood around the body.</li> <li>Understand the function of blood.</li> <li>Understand the importance of exercise to keep the body healthy.</li> <li>Understand the effects of drugs and alcohol on the body.</li> </ul>	
<b>Key Vocabulary:</b>	Circulatory system, heart, blood vessels, oxygenated blood, deoxygenated blood, drug, alcohol, <u>nutrients</u>  <u>*ALSO TAUGHT IN Y3</u>
<b>Previous year groups key vocabulary:</b>	fertilisation, prenatal, gestation, reproduce, asexual reproduction, sexual reproduction, life cycle, adolescence, puberty, menstruation, adulthood, life expectancy
<b>Disciplinary Concepts</b>	<ul style="list-style-type: none"> <li>taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</li> </ul>
<b>Enquiry type to cover and enquiry suggestion</b>	<b>Observation over time (enquiry type)</b> <del>How does my heart rate change over the day exercise/sugar effect my heart rate?</del>
<b>Learning Milestones /Assessment</b>	I can... <ul style="list-style-type: none"> <li>Explain what the circulatory system is.</li> <li>Match the components of the circulatory system to their function.</li> <li>Explain how regular exercise can help us stay healthy.</li> <li>Describe the affects of drugs and alcohol on the body.</li> </ul>