

# Science planning KS2 Y5/6 Autumn 2 2017

## Animals, inc. humans

WK	Outcome	Curriculum objectives	Working scientifically
1	<ul style="list-style-type: none"> <li>To recall the components of a healthy diet.</li> <li>To demonstrate knowledge and understanding of the digestive system.</li> <li>To recognise the organisation and extent of the circulatory system in the human body.</li> <li>To know that the pulse is produced by the heart beat.</li> </ul>	<ul style="list-style-type: none"> <li>To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> </ul>	<ul style="list-style-type: none"> <li>To plan enquiries, including recognising and controlling variables where necessary.</li> <li>To take measurements with increasing accuracy and precision.</li> <li>To report findings from enquiries, including explanations of results in oral and written forms.</li> </ul>
2	<ul style="list-style-type: none"> <li>To know that the pulse rate varies with activity.</li> <li>To identify the parts of the heart.</li> <li>To understand how the heart works.</li> <li>To know the pulse can be used to assess fitness.</li> </ul>	<ul style="list-style-type: none"> <li>To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> </ul>	<ul style="list-style-type: none"> <li>To plan enquiries, including recognising and controlling variables where necessary.</li> <li>To take measurements with increasing accuracy and precision.</li> <li>To record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar and line graphs.</li> </ul>
3	<ul style="list-style-type: none"> <li>To know that organs work together.</li> <li>To know the positions and functions of the major organs of the body.</li> <li>To understand Galen's ideas about the circulation of the blood.</li> <li>To understand how Harvey showed that Galen's ideas about circulation were wrong.</li> </ul>	<ul style="list-style-type: none"> <li>To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> </ul>	<ul style="list-style-type: none"> <li>To take measurements with increasing accuracy and precision.</li> <li>To record data and results using tables and line graphs.</li> <li>To report findings from enquiries, including conclusions, causal relationships and explanations.</li> <li>To identify scientific evidence that has been used to support or refute ideas or arguments.</li> </ul>
4	<ul style="list-style-type: none"> <li>To distinguish between arteries, veins and capillaries.</li> <li>To understand the links between the circulatory system and the major organs.</li> <li>To identify the components of the blood.</li> <li>To learn about how a clot forms and the function of white blood cells.</li> <li>To examine the structure of the respiratory system.</li> <li>To record the breathing rate.</li> </ul>	<ul style="list-style-type: none"> <li>To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> </ul>	<ul style="list-style-type: none"> <li>To record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar and line graphs.</li> <li>To present findings in written forms such as displays and other presentations.</li> </ul>
5	<ul style="list-style-type: none"> <li>To investigate pulse rates, breathing rates and activity.</li> <li>To review the functions of the heart and lungs.</li> <li>To link diet, exercise and hygiene to general health.</li> </ul>	<ul style="list-style-type: none"> <li>To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> </ul>	<ul style="list-style-type: none"> <li>To present findings in written forms such as displays and other presentations.</li> </ul>
6	<ul style="list-style-type: none"> <li>To examine factors which can damage the body organs.</li> <li>To compare organ systems in a range of vertebrates.</li> <li>To find out about the organ systems in invertebrates.</li> </ul>	<ul style="list-style-type: none"> <li>To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> </ul>	<ul style="list-style-type: none"> <li>To present findings in written forms such as displays and other presentations.</li> </ul>
<b>Assess and review</b>			