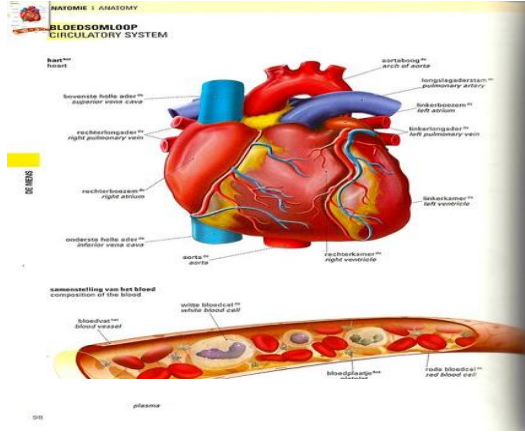



# Year 6 Autumn 2 – Animals including humans

Learning objectives for this topic	Key vocabulary	Useful websites to search for
<p>To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</p> <p>To help learn about the structure of real organs, through watching the teacher carry out a dissection.</p> <p>To help develop observational skills, through investigating a dissected organ (heart).</p> <p>To know that blood is an important transport system in my body.</p> <p>To know that my blood passes through the heart twice during each circulation (double circulation).</p> <p>To know that the blood collects oxygen from the lungs and in exchange gets rid of carbon dioxide (respiration).</p> <p>To describe the structure of the lungs.</p> <p>To explain what happens when we breathe in and out.</p> <p>To understand why exercise is important for my health.</p> <p>To explain what I need to keep my body healthy.</p> <p>To recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</p>	<p><b>Arteries</b> – Muscular-walled tubes that transport blood from the heart to other parts of the body</p> <p><b>Blood</b> – Red liquid that circulates in arteries and veins, carrying oxygen to and carbon dioxide from tissues of the body</p> <p><b>Blood vessel</b> – A tubular structure carrying blood through the tissues and organs</p> <p><b>Circulatory system</b> – The system that circulates blood through the body, including the heart, blood vessels and blood</p> <p><b>Heart</b> – A hollow muscular organ that pumps the blood through the circulatory system</p> <p><b>Lungs</b> – Pair of organs situated within the ribcage where oxygen can pass into the blood and carbon dioxide be removed</p> <p><b>Muscles</b> – A band or bundle of fibrous tissues that have the ability to contract, producing movement in or maintaining positions of parts of the body</p> <p><b>Nutrients</b> – A substance that provides nourishment essential for the maintenance of life and for growth</p> <p><b>Organs</b> – Part of an organism that is typically self-contained and has a specific vital function (e.g. the heart and lungs)</p> <p><b>Veins</b> – Tubes forming part of the blood circulation system of the body, carrying mainly oxygen-depleted blood towards the heart</p>	<p>SMM.org/heart</p> <p>BBC Bitesize</p> <hr/> <p><b>Key scientists and people</b></p>  <p><b>Dr Christian Barnard.</b></p>  <p>William Harvey</p>

