



circulatory
system



heart



veins



arteries



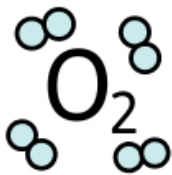
capillaries



oxygenated
blood



deoxygenated
blood



oxygen



nutrients



water



body



pulse



Science - Animals including humans

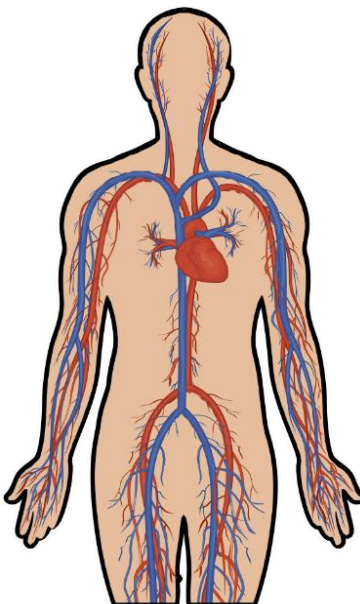



ventricle



atrium

Y6 Science – Animals including humans: Y6 Topic Vocabulary Mat

Subject Specific Vocabulary		Relevant Pictures	Exciting Books/Websites
circulatory system	Oxygenated blood refers to the blood that has been exposed to oxygen in the lungs.		Books: Circulatory system (body stems) by Simon Rose Circulatory system (amazing body) by Karen Kenney Websites: The circulatory system - BBC Bitesize
oxygenated blood	Oxygenated blood refers to the blood that has been exposed to oxygen in the lungs.		Other Information Your heart is a very strong muscle which contracts (gets smaller) and relaxes to pump blood around your body. A heart beat varies from person to person - for an average person it beats 60-100 times a minute. You feel this when you feel your pulse. 
deoxygenated blood	Deoxygenated blood is carried back to the heart in veins.		
heart	The muscle that pumps blood received from veins into arteries throughout the body. The heart is positioned in the chest		
veins	Veins are blood vessels in humans, and most other animals that carry blood towards the heart.		
arteries	Arteries are muscular and elastic tubes that must transport blood.	What I've learnt already Y5: <ul style="list-style-type: none"> I know the basic parts of the digestive system in humans. I know and can identify the different types of teeth in humans and their simple functions. I know which organisms are producers, predators and prey and can apply to the construction and interpretation of food chains. Y3: <ul style="list-style-type: none"> Food contains a range of different nutrients that are needed by the body to stay healthy – carbohydrates including sugars, protein, vitamins, minerals, fibre, fat, sugars, and water. 	Key Knowledge <ul style="list-style-type: none"> To plan and conduct a scientific enquiry into how activity affects heart rate, including analysing data to reflect on findings and draw conclusions. The main parts of the human circulatory system, and how water, nutrients and oxygen are delivered around the body. The structure of the heart, including the 4 main chambers, arteries and veins of the heart. How water and nutrients are transported in humans, including the role of the digestive system. How a balanced diet, being active and good hygiene contribute to a healthy lifestyle. There are unhealthy lifestyle choices that can damage our bodies in different ways. To plan and conduct a scientific enquiry into how activity affects heart rate, including analysing data to reflect on findings and draw conclusions. The main parts of the human circulatory system, and how water, nutrients and oxygen are delivered around the body.
capillaries	A capillary is a blood vessel.		
ventricle	A ventricle is one of two large chambers toward the bottom of the heart.		
atrium	The atrium is one of two upper chambers in the heart that receives blood from the circulatory system.		
pulse	A rhythmical throbbing of the arteries as blood is propelled through them.		