Y6 Science Knowledge Organiser—Animals Including Humans

Key Knowledge Learn these key facts—key points in red Circulatory System—What Do We Need To Know?					Key Vocabulary Understand these key words	
					Word	Definition
Diagram—The Heart			The Function of the Heart		arteries	tubes in your body that carry oxygenated blood from your heart
		The heart is composed of four chambers; the right atrium, the right ventricle, the left atrium and the left ventricle.	3 4 5	from the body through the veins.	arteries	to the rest of your body.
right atrium right ventricle	2 left atrium left ventricle				atrium	the part of the heart that receives blood from the veins.
				through the pulmonary artery	blood vessels	narrow tubes that your blood flows through.
				Blood is then the oxygenated in lungs	carbon dioxide	a gas produced by animals and people breathing out.
		The rate that your heart pumps is called your pulse . Deoxygenated Oxygenated		Blood returns to the heart through the pul-	svstem	the system responsible for circulating blood through the body, that supplies nutrients and oxygen to the body and removes waste products such as carbon dioxide .
				The oxygenated blood is then pumped out of the heart through the aorta .		
				The blood travels around the body delivering oxygen and nutrients to the organs.	deoxygenated	blood that does not contain oxygen .
					*heart	the organ in your body that pumps blood around the body .
What is the circulatory system? The circulatory system is made up of the heart, lungs and blood vessels.				*lungs	two organs in your chest which fill with air when you breathe in. They oxygenate the blood and remove carbon dioxide from it.	
Arteries carry oxygenated blood from the heart to the rest of the body.			to finding the link between scurvy and vitamin C in	*nutrients	substances that help animals and plants grow.	
Veins carry deoxygenated blood from the body to the heart. Nutrients, oxygen and carbon dioxide are exchanged via the capillaries.				1747 when he conducted the world's first clinical trial.	*organ	a part of the body that has a particular purpose and performs specific functions.
					*oxygen	a colourless gas that plants and animals need to survive.
Healthy Diet & Lifestyle				oxygenated	blood that contains oxygen.	
Things that can harm the circulatory system	 Smoking and drinking alcohol can be harmful to our health. Tobacco can cause short-term effects such as shortness of breath and loss of taste and long term 				pulse	the regular beating of blood through your body. How fast or slow your pulse rate is depends on how active you are.
	 effects such as lung disease and cancer. Alcohol can cause short term effects such as addiction and long term effects such as organ damage and cancer. 				respiration	inhaling oxygen -rich air and exhaling air filled with carbon dioxide.
Things that	Exercise helps to improve health by:				veins	a tube in your body that carries deoxygenated blood to your hea from the rest of your body.
can maintain a healthy	 Removing fatty deposits from the body. Toning muscles and reducing fat. 				ventricle	the part of the heart from which blood passes into the arteries.
circulatory					*	vocabulary that I know from years 3&4. Definitions contain more
system	Increasing fitness (a	 Increasing fitness (ability to do high intensity activities for longer). 				complex explanations.