
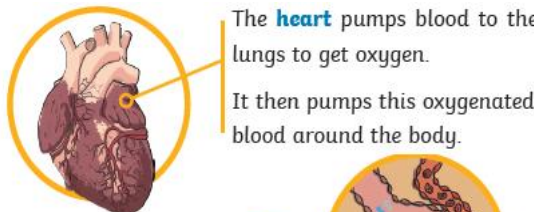
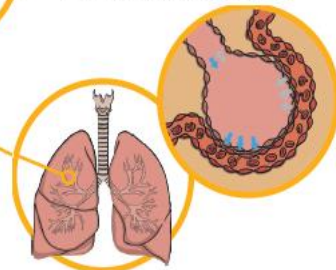
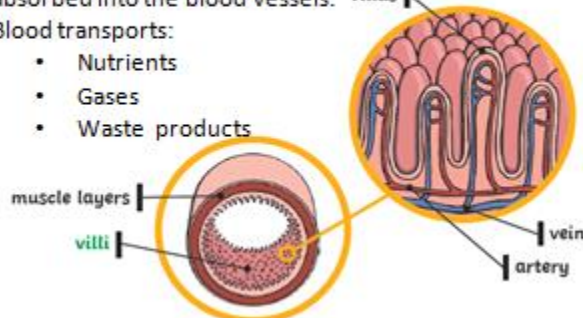
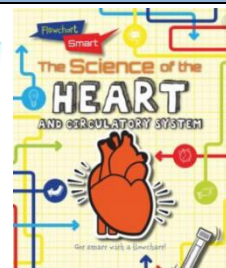
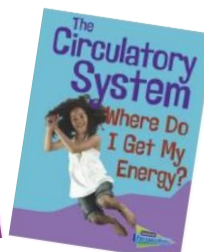
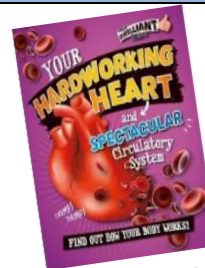
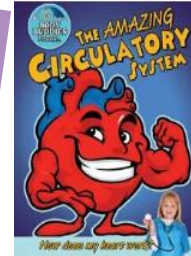

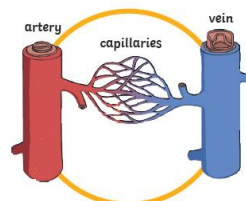
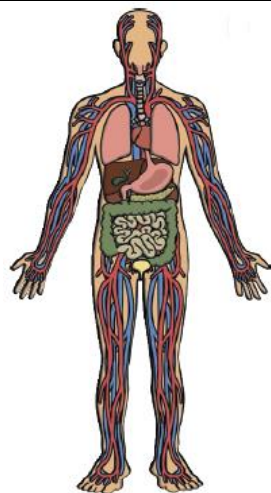


<div><div>FEDERATION OF FOLLIFOOT & SPOFFORTH CHURCH OF ENGLAND PRIMARY SCHOOLS <i>Love Learn Thrive</i></div></div>		Animals including Humans – Circulatory System Focus KS2 Science Knowledge Summary		
Specific Vocabulary & definitions (meanings)		Facts to know by the end of the science sequence	Interesting Reading	
circulatory system	a system which includes the heart, veins, arteries and blood, transporting substances around the body	<ul style="list-style-type: none">Blood, containing oxygen and nutrients, is continuously pumped around the body by an organ called the heart.Our blood is carried to different places inside our bodies by different types of blood vessels.Blood contains different cells, which each have different jobs to do with our bodies.What we put into our bodies and how well we look after them affects how well they function <div><p>The heart pumps blood to the lungs to get oxygen. It then pumps this oxygenated blood around the body.</p></div> <div><p>Gas exchange takes place in the alveoli in the lungs.</p></div> <div><p>Inside the small intestine: Nutrients and water pass through the villi and are absorbed into the blood vessels.</p><p>Blood transports:</p><ul style="list-style-type: none">NutrientsGasesWaste products<div><p>muscle layers villi vein artery</p></div></div>	<div></div> <div></div>	
heart	an organ which constantly pumps blood around the circulatory system		<div>At the end of the topic, I can:</div> <ul style="list-style-type: none">List a positive and negative impact of the way my body functions in relation to diet, exercise or drugs.Describe the functions of the heart, blood and blood vessels.Describe the ways in which nutrients and water are transported within animals, including humans. <div></div>	
pulmonary	relating to the lungs			
alveoli	tiny air sacs in the lungs where gas exchange takes place			
gas exchange	the process by which oxygen enters the bloodstream from the lungs and the lungs receive carbon dioxide from the blood to breathe			
villi	structures in the small intestine which help absorb nutrients			
nutrients	substances that animals need to stay alive and healthy			
kidneys	organs which filter blood and make urine from waste and excess water			
liver	an organ which processes waste from the blood and produces bile			
drug	a substance containing natural or man-made chemicals that has an effect on your body when it enters your system.			
alcohol	a drug produces from grains, fruits or vegetables when they are put through a process called fermentation.			

