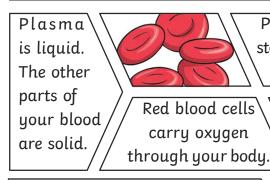
St Austin's R.C. Primary School - Science						
Topic: Animals including Humans Y		lear: 6	Strand: Biology			
Key Vocabulary			//r to			
circulatory system	A system which includes the heart, veins, arteries and blood transporting substances around the body.		Mammals have <b>hearts</b> with four chambers. Notice how the blood that has come from the to lungs			
heart		n organ which constantly pumps blood round the <b>circulatory system</b> .		body is deoxygenated, and the blood that has come from the lungs is oxygenated		
blood vessels	The tube-like structures th through the tissues and arteries and capillaries are of blood vessels.	organs. Veins,	bod again. The blood isn't actually red and blue: we just show it like that on a diagram.			
oxygenated blood	<b>Oxygenated blood</b> has mor pumped from the <b>heart</b> to body.		is ne Capillaries are the smallest blood vessels in the body and it is here that the exchange of water, nutrients,			
deoxygenated blood	<b>Deoxygenated blood</b> is blo of the oxygen has already b to the rest of the body.					
The <b>heart</b> pumps blood the lungs to get oxyge It then pumps this <b>oxygenated blood</b> around the body.			Arteries carry oxygenated blood away from the heart. If you linked up	arteries veins capillaries deoxygenated blood toward the heart.		
	Did you kr	now?		veins, they would measure over 60,000 miles.		

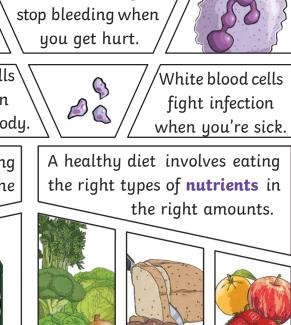
Keu	Voca	bular

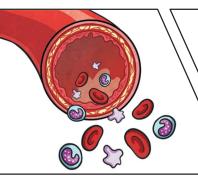
drug	A substance containing natural or man-made chemicals that has an effect on your body when it enters your system.			
alcohol	A <b>drug</b> produced from grains, fruits or vegetables when they are put through a process called fermentation.			
nutrients	Substances that animals need to stay alive and healthy.			

Platelets help you









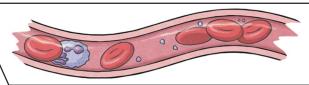
The liquid part of blood contains water and protein. This is called plasma.

## Regular exercise:

- strengthens muscles including the heart muscle;
- improves circulation;
- increases the amount of oxygen around the body;
- releases brain chemicals which help you feel calm and relaxed;
- helps you sleep more easily;
- strengthens bones.

.

It can even help to stop us from getting ill.



Blood transports:

- gases (mostly oxygen and carbon dioxide);
- nutrients (including water);
- waste products

