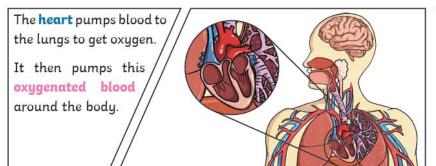
## **Queensway School- Knowledge Organiser**

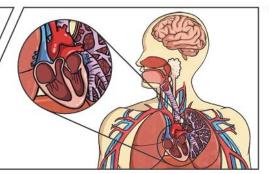
## Science (Animals, including humans) Year 6, Term 4

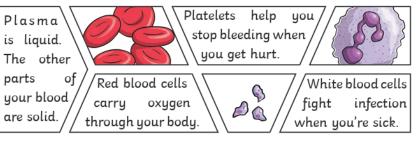


### Animals, including humans.

Key vocabulary:		
circulatory system		A system which includes the heart, veins, arteries and blood transporting substances around the body.
heart		An organ which constantly pumps blood around the <b>circulatory system</b> .
blood vessels		The tube-like structures that carry blood through the tissues and organs. Veins, arteries and capillaries are the three types of blood vessels.
oxygenated blood		Oxygenated blood has more oxygen. It is pumped from the heart to the rest of the body.
deoxygenated blood		Deoxygenated blood is blood where most of the oxygen has already been transferred to the rest of the body.
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.	

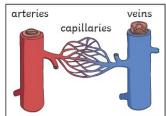


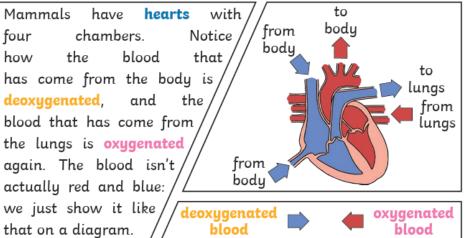




# Investigations:

- · The effects of exercise on the heart rate.
- How does blood make its way around the body?





#### 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 aettina ill.

#### Working scientifically:

- Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- Using test results to make predictions to set up further comparative and fair tests.
- Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.