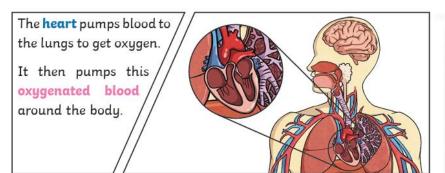
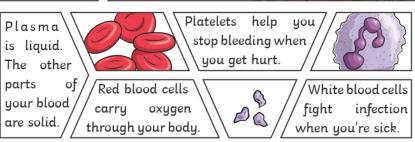


Animals, including humans

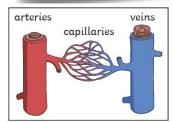
Key vocabulary: circulatory system A system which includes the heart, veins, arteries and blood transporting substances around the body. An organ which constantly pumps blood heart around the circulatory system. blood vessels The tube-like structures that carry blood through the tissues and organs. Veins, arteries and capillaries are the three types of blood vessels. Oxygenated blood has more oxygen. oxygenated blood 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. A drug produced from grains, fruits or vegetables alcohol 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?



with to Mammals have hearts body from chambers. Notice four body the blood that how to has come from the body is ungs deoxygenated, and the from blood that has come from lungs the lungs is oxygenated again. The blood isn't from body actually red and blue: we just show it like deoxygenated oxygenated that on a diagram. blood blood

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.

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.