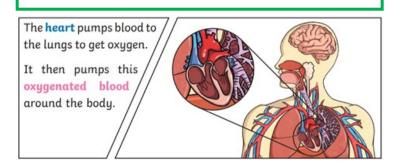
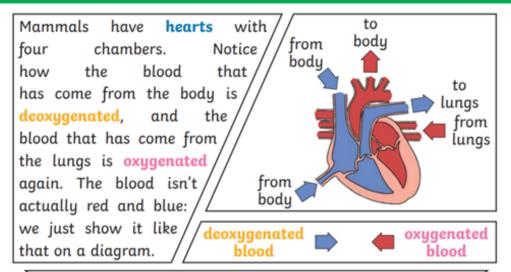
## Science Knowledge Organiser—Animals Including Humans

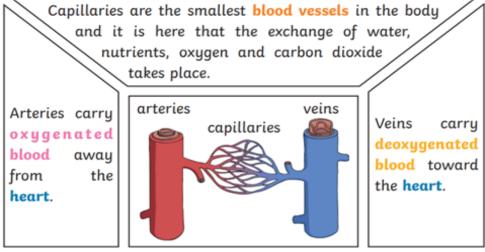
## **Curriculum Objectives**

By the end of this unit, your child will be able to:

- Identify the main parts of the circulatory system.
- Explain the main functions of the heart, lungs and blood vessels.
- State how the digestive system breaks down nutrients.
- Explain what constitutes a healthy lifestyle.
- Describe how drugs and alcohol can impact negatively on the body.
- Take accurate measures of the pulse rate.
- Record results and write a report which would include a conclusion on their findings.







If you linked up all of the body's blood vessels, including arteries, capillaries, and veins, they would measure over 60,000 miles.

Plasma is liquid. The other parts your blood are solid.



Platelets help you stop bleeding when you get hurt.



Red blood cells carru oxygen through your body.



White blood cells fight infection when you're sick.

the right amounts.

Drugs, alcohol and smoking have negative effects on the body.



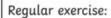




A healthy diet involves eating

the right types of nutrients in





- · 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.



## **Interesting Questions**

How many litres of blood can be found in your body?

How many times would your hear beat in a lifetime?

## Key Vocabulary/Terminology



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 body.
Blood Vessels	Tube -like structures which carry blood through the tissues and organs.
Oxygenated Blood	Blood which has more oxygen. It is pumped from the heart to the body.
Deoxygenated Blood	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 drug produced from grains, fruits, vegetables when they are put through a process called fermentation.
Nutrients	Substances that animals and humans need to stay alive and healthy.