

Science Year 6 Knowledge Organiser



Topic:
Heart and Lungs (Animals and humans)

National Curriculum Statement

- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
- Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.
- Describe the ways in which nutrients and water are transported within animals, including humans.

Key enquiry questions:

- What is the circulatory system?
- How does our heart work? How does it pump blood?
- How does exercise affect my heart rate?
- What does the blood transport around the body? What are blood types?
- Why do you need to take in air?
- What happens to these gases?
- How can I live a healthy lifestyle?
- What can damage our health?

Key Vocab:

Haemoglobin - a red protein responsible for transporting oxygen in the blood of vertebrates.

Transfusion – transferring donated blood.

Circulation - the continuous motion by which the blood travels through all parts of the body under the action of the heart.

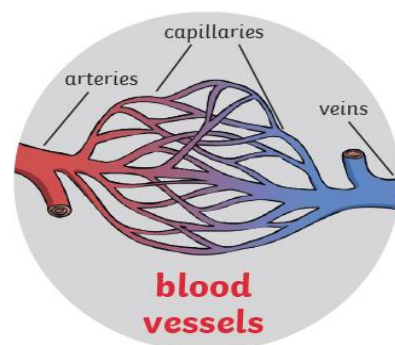
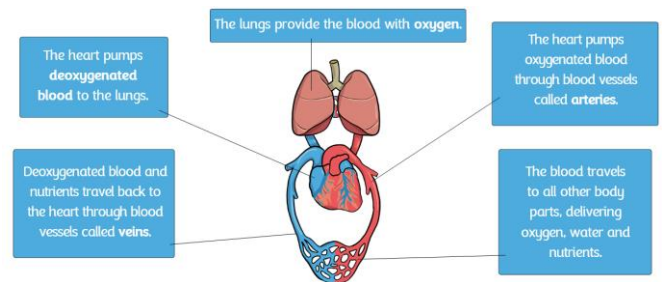
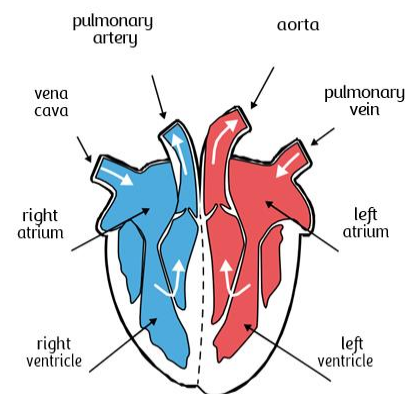
Harmful – Likely to cause harm.

Addiction – obsessive need for a substance or activity.

Blood vessel - a tubular structure carrying blood through the tissues and organs

Deoxygenated – without oxygen

Inhale – breath in.



I am a scientist as I gather evidence and use research from previous scientists, to make hypotheses and test them through experiments. I discuss results and draw conclusions.