

Science Knowledge Organiser

Animals including humans (Term 5)

Year 6

Our learning

In our science lessons this term, we will be learning about animals including humans. This is part of the **biology** aspect of science. Through our learning we will be considering the **connections** between different parts of the body.

We will learn about how the use of substances and exercise can effect the body.

Information

The circulatory system is made up of the heart, blood vessels and blood.

Blood carries important **nutrients**, oxygen and water to other **organs** in the body.

The heart pumps blood around the whole body.

When humans and animals exercise this raises their heart rate and helps to keep the body healthy.

Smoking, taking drugs and drinking alcohol all have a **negative impact** on the human body.

Having a healthy diet and exercising regularly can have a **positive impact** on the human body.

Vocabulary

Diet— The things a human or animals eats

Exercise— A way of keeping the body healthy through being active

Drug— A chemical that you take into your body, which changes the way you feel and act

Lifestyle— The general way a person lives their life.

Health— A state of complete physical, mental, and social well-being

Heart— A vital organ that pumps blood around the body

Blood— Made up of **plasma** and **cells**

Vein— Takes blood without oxygen in it back to the heart

Artery— Takes blood with oxygen in it to the other organs in the body



Heart



Blood



Lifestyle



Diet



Exercise



Health

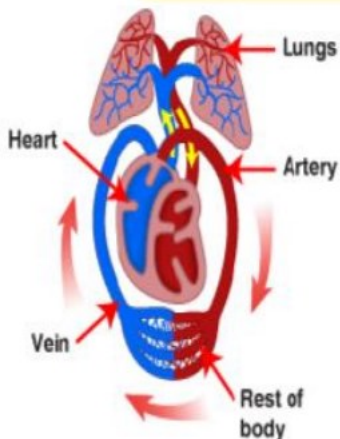


Diagram of the circulatory system

As a scientist I will...

- Make predictions and give a reason (using **scientific** vocabulary).
- Decide what to observe.
- Use results to make predictions and set up further tests.

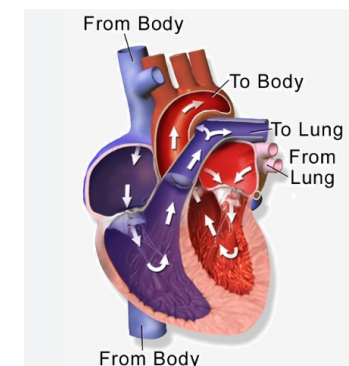


Diagram of the heart and how the blood flows through it

