



## Year 6 Animals Including Humans Science Knowledge Organiser

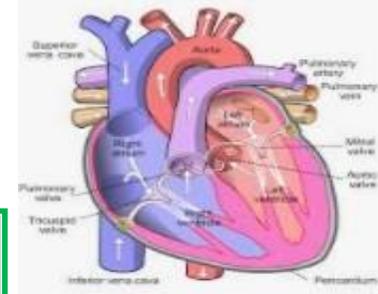
Knowledge

Skills

Vocabulary

### Curriculum Coverage

- Identify and name the main parts of the human circulatory system, and explain 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.



### Knowledge and Skills Progression

What is the function of the heart?

To be able to present findings from enquiries.

What happens to our heart rates when we do different exercises?

To be able to plan pattern-seeking enquiry.

To be able to report causal relationships.

To be able to record using a line graph.

What are the functions of the blood?

To be able to present findings from research.

Why do we need to drink water?

To be able to present findings from research.

How can we maintain our body's wellbeing- exercise and diet?

To be able to present findings from enquiries.

How can we maintain our body's wellbeing- drugs and lifestyle choices?

To be able to present findings from enquiries.

### Scientific vocabulary

Circulatory system - heart, blood, veins, arteries, pulse, clotting

Diet - balanced, vitamins, minerals, proteins, carbohydrates, sugars, fats

Drugs - caffeine, nicotine, alcohol, cannabis, cocaine, heroin Lifestyle - healthy

### Scientific enquiry

How does the heart ensure that my blood is pumped around my body?

What factors affect my heart rate and how?

How are the nutrients that my body needs carried around my body?

How does my body help to heal itself?

What are the effects of drugs, alcohol, diet and exercise on our bodies?

