

Science Overview – Animals Including Humans

Year 6

Spring

Key Question: How does life adapt to survive and thrive?

National Curriculum

- 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

SUBSTANTIVE KNOWLEDGE

- Understand what the circulatory system is and describe its main parts.
- Understand that mammals have hearts and how they pump blood around the body.
- Understand the parts of and the function of blood.
- Understand the importance of diet and exercise to keep the body healthy.
- Understand the effects of drugs and alcohol on the body.

Key Words:

**Oxygenated
Deoxygenated
Circulation**

Vocabulary:

Circulatory system, heart, blood vessels, blood, drug, alcohol, nutrients

Working scientifically

Observe changes over different periods of time, noticing patterns, and grouping and classifying things.
Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.

Enquiry type to cover and enquiry question

Observation over time (enquiry type)
How does my heart rate change over the day?
Identifying, classifying and grouping (enquiry type)
Which organs of the body make up the circulatory system and where are they found?

Learning Milestones /Assessment

I can...

- Explain what the circulatory system is.
- Match the components of the circulatory system to their function.
- Explain how regular exercise can help us stay healthy.
- Describe the effects of drugs and alcohol on the body.