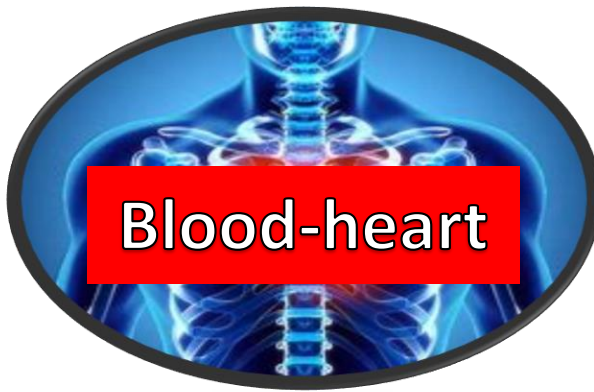


Key Vocabulary

blood vessels
circulatory
circulation
pulmonary
arteries
veins
lungs
capillaries
vena cava
aorta
pulse
ventricle
platelets
cells
function
heartbeat
oxygen
oxygenated
deoxygenated
nutrients
valve
carbon dioxide
exercise
heart rate
cholesterol
probiotic
blockage
sections
chambers
carotid
radial



Blood-heart

Science key area of learning:

Animals (including humans)

- Circulatory system
- Exercise and the effect on the body

Key areas of English learning:

Non-chronological report

SATs revision

Spelling, punctuation and grammar revision

Key questions for this area of learning:

What is the function of the heart?

How many sections does the heart have?
What jobs do they do?

What is the function of the circulatory system?

How does exercise effect the body?

How does diet affect the heart?

Science knowledge and understanding:

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 areas of Maths Learning

Pulse investigation

Data analysis

Graphs

Time

SATs revision

Citizenship/ PSHE:

Revision of D.A.R.E.

Harmful substances

Caring about others

Science working scientifically skill development:

Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.

Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.

Use test results to make predictions to set up further comparative and fair tests.

Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.

Identify scientific evidence that has been used to support or refute ideas or arguments.

PE:

Children select a variety of cardio-vascular activities to measure the impact upon pulse rate.

Compare pulse rates during different types of athletic exercises.

Athletics – Track and field