

Science: Animals including humans

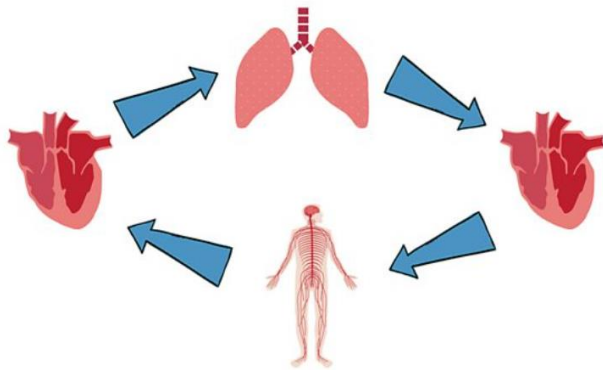
Y6 autumn term

National Curriculum subject content:

- ✓ 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

National Curriculum working scientifically:

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



A diagram showing the main components of the circulatory system.

Key Vocabulary:

arteries	A type of blood vessel that carries oxygenated blood away from the heart towards the body's tissues.
blood	A fluid that provides the body with nutrition, oxygen and waste removal.
blood vessels	Channels within the body that blood is distributed through.
circulatory system	A system in the body that contains the heart and blood vessels.
deoxygenated	This is when something does not contain oxygen.
exercise	A way of keeping the body healthy through being active.
heart	An organ in the body that pumps blood through the body.
organ	The name of a group of different groups of cells working together within the body to perform a job.
oxygenated	This is when something is mixed with oxygen.
pulse	A throbbing of the arteries as blood moved through them.
respiration	The process that all living things go through to create the energy they need to live.
valves	Flaps located on each end of the two lower chambers of the heart that are let blood in or out of the ventricle.
veins	A type of blood vessel that carried deoxygenated blood away from the body's tissues back to the heart.
ventricle	Lower chambers of the heart.

Sequence of Learning:

Objectives (key knowledge):

Lesson 1 To know and identify the main parts of the circulatory system.	Lesson 2 To know the functions of the heart, blood vessels and blood.	Lesson 3 To know the impact of diet on the way the body functions.	Lesson 4 To know the impact of exercise on the way the body functions.	Lesson 5 To know the impact of drugs on the way the body functions.	Lesson 6 To learn how nutrients and water are transported within animals, including humans.
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