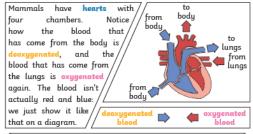
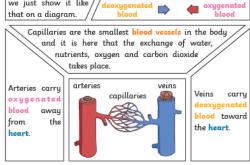
End points

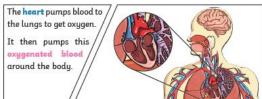
To understand the circulatory system and the impact that diet, exercise, drugs and my lifestyle have on the way my body functions.

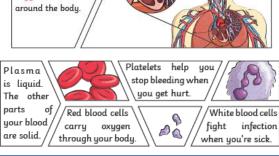
Facts





If you linked up all of the body's blood vessels, including arteries, capillaries, and veins, they would measure over 60,000 miles.





Working Scientifically Skills

- I can suggest improvements and raise further questions.
- I can ask my own questions.
- I can use different ways to answer them.
- I can set up my own simple tests.
- I can make careful observations.
- I can use different equipment to measure accurately in standard
- I can gather, record, classify and present data in different ways including drawings, labelled diagrams, keys, bar charts and tables.
- I can explain what I have found out using speaking and writing.
- I can draw simple conclusions and make predictions for new values.
- I can use relevant scientific language.

Year 6



Animals Including Humans

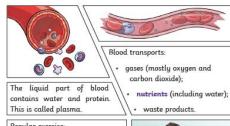
Key questions

- What are the functions of the heart, blood vessels and
- How are nutrients and water transported within animals, including humans?
- What is the impact of diet, exercise and lifestyle on the way our bodies function?
- What is a scientist?
- What is science?

Facts



	I
Internal organs	Your organs, parts of your body that have
	specific functions, do the work needed to
	keep you alive.
Digest	To break down into materials that can be
	absorbed and used by the body.
Circulatory system	A system which included the heart,
	arteries and blood transporting
	substances around the body.
Blood vessels	The tube-like structures that carry blood
	through the tissues and organs. Veins,
	arteries and capillaries are the tree types
	of blood vessels.
Lifestyle	The usual way of life of a person, group,
	or society
Nutrients	Substances that animals need to stay alive
	and healthy.
Damage	To cause harm.
Pulse	A throbbing of blood vessels as blood
	goes through them. You can feel
	someone's pulse in their wrist, thumb or
	neck, where vessels are closer to the skin.
	A normal pulse is below 100 beats per
	minute. Our pulse quickens when we
	exercise because the muscles being used
	need more oxygen.
Oxygenated blood	Has more oxygen. It is pumped from the
	heart to the rest of the body.
Carbon dioxide	A molecule that contains two oxygen
	atoms and one carbon atom.



Regular exercise:

- strengthens muscles including the heart muscle;
- improves circulation;
- increases the amount of oxyge around the body;
- releases brain chemicals which help you feel calm and relaxed
- helps you sleep more easily
- strengthens bones.

It can even help to stop us from getting ill.

