



Be the Best We Can

Topic: Animals inc Humans

Subject : Science

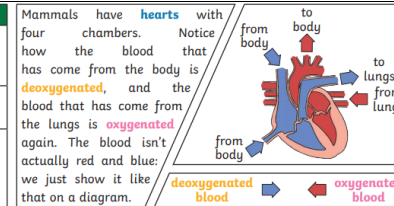
Year: 6 Term:

Buglawton Primary School

What should I already know?

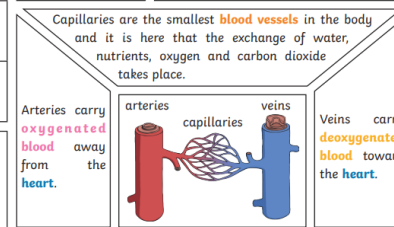
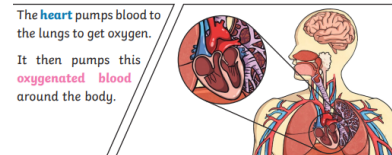
- Describe the changes as humans develop to old age.

Key Vocabulary	
circulatory system	A system which includes the heart, veins, arteries and blood transporting substances around the body.
heart	An organ which constantly pumps blood around the circulatory system .
blood vessels	The tube-like structures that carry blood through the tissues and organs. Veins, arteries and capillaries are the three types of blood vessels.
oxygenated blood	Oxygenated blood has more oxygen. It is pumped from the heart to the rest of the body.
deoxygenated blood	Deoxygenated blood is blood where most of the oxygen has already been transferred to the rest of the body.



What will I know by the end of the unit?

- 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.

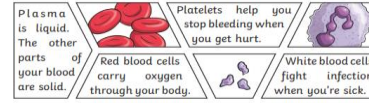


If you linked up all of the body's blood vessels, including arteries, capillaries, and veins, they would measure over 60,000 miles.

What will I be able to do by the end of the unit?

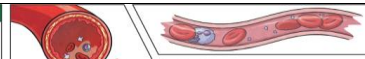
- Can draw a diagram of the circulatory system and label the parts and annotate it to show what the parts do
- Use the role play model to explain the main parts of the circulatory system and their role
- Can use subject knowledge about the heart whilst writing conclusions for investigations
- Can explain both the positive and negative effects of diet, exercise, drugs and lifestyle on the body

Key Vocabulary	
drug	A substance containing natural or man-made chemicals that has an effect on your body when it enters your system.
alcohol	A drug produced from grains, fruits or vegetables when they are put through a process called fermentation.
nutrients	Substances that animals need to stay alive and healthy.



Drugs, alcohol and smoking have negative effects on the body.

A healthy diet involves eating the right types of nutrients in the right amounts.



Blood transports:

- gases (mostly oxygen and carbon dioxide);
- nutrients (including water);
- waste products.

The liquid part of blood contains water and protein. This is called plasma.

Regular exercise:

- strengthens muscles including the heart muscle;
- improves circulation;
- increases the amount of oxygen 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.

Agreed Real-life Outcome

- Produces a piece of writing that demonstrates the key knowledge e.g. explanation text, job description of the heart

- Present information e.g. in a health leaflet describing impact of drugs and lifestyle on the body

Assessment:

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Cold task: go through vocabulary: What do they know?

Record on post it notes and add to group books

Hot task: update what they know regarding the vocabulary.

Complete Headstart topic test and add in a pocket of group books.

Complete Headstart term tests: end of Autumn, Spring and Summer. Add data to DC PRO

