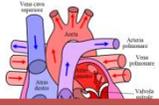




What would a journey through your body look like?



1. What are the main body parts and major organs inside your body?
2. What is pulse and why do we have one?
3. What are the main parts of the human circulatory system?
4. Can you explain the impact diet, drugs, exercise and lifestyle have on the way your body functions?
5. How are nutrients and water transported around humans compared to animals?
6. What is the impact of drugs on our bodies?
7. Why is the work of scientists important when finding out about the human body?

Hook for Learning:

- * Take part in PE, then observe and describe what happens to their bodies
- * Maths - Calculate how many times your heart beats in an hour, day, week, month or year. Describe the heart rate in the human body compared to other animals.

As Thinkers can we...?

- * Link ideas from different topic areas to solve problems and present findings.
- * Plan a complex task, anticipating blocks and find ways to overcome them
- * Choose how to present information

As Talkers can we...?

- * give detailed explanations to a problem
- * present information clearly from research
- * ask others thoughtful questions to gather information

We learn the following vocabulary:

- | | | |
|-----------------|--------------|-----------------|
| *heart | *muscle | *pump |
| *circulatory | *circulation | *blood |
| *vessels | *artery | *vein |
| *capillaries | *oxygen | *oxygenated |
| *deoxygenated | *lungs | *pulse rate |
| *diet | *exercise | *drugs |
| *lifestyle | *nutrients | *transport |
| *carbon dioxide | *blood cell | *systems |
| *atrium | *ventricles | *William Harvey |
| *cardiovascular | *ultrasound | *cardiologists |

We learn the following scientific knowledge and skills...

- Plan and carry out an investigation by controlling variables fairly and accurately. Make a prediction with reasons. Use test results to make further predictions and set up further comparative tests. Take measurements using a range of scientific equipment with increasing accuracy and precision.
- I can explain the main body parts and internal organs (skeletal, muscular and digestive system)
- I can identify and name the main parts of the human circulatory system
- I can describe the functions of the heart, blood vessels and blood
- I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
- I can explain how some drugs and other substances can be harmful to the human body
- I can explore the work of scientists and scientific research about the relationship between diet, exercise, drugs, lifestyle and health
- I can describe the ways in which nutrients and water are transported within animals, including humans

We learn the following musical knowledge and skills...

- * to use different parts of our bodies to make sounds
- * to change the pitch of sounds that our body makes and discuss why this happens

We learn the following art knowledge and skills...

- * to make a diagram that outlines the main parts and organs of the body
- * to use scale to show the relative size of different body parts

We learn the following technology knowledge and skills...

- * use Google sheets to produce graphs of information about heart rates
- * to use google survey to produce a survey about exercise

We learn the following English knowledge and skills...

- * to report findings from investigations through written explanations and conclusions
- * to produce an information text about the effect of drugs on the body