

To engage the children in this topic we will be dissecting a sheep's heart to explore its structure and function.

It is always a delight to have visitors in our classroom to help enrich the children's experiences- if you have ever donated blood and are willing to talk about your experience, or work in the healthcare profession please get in touch!

English- Our class text will be 'Pig Heart Boy', by Malorie Blackman.

During this topic, Y6 will write a biography about Dr William Harvey, an English physician, a non-chronological report about The Heart and an adventure story.

Science- To identify the major parts of the human circulatory system and to know their function.

What makes the heartrate accelerate/decelerate?

The children will also explore the ABO blood group system.

To investigate how a liquid flows through straws of different diameters to investigate blood flow and the impact of blockages.

Physical Education-

Compare their number of heart beats per minute linked to their PE performance and track the time taken for them to return to their resting heart rate over a number of weeks, demonstrating weekly improvement, using a spreadsheet to record their weekly results.

Music- Feel their heartbeat and replicate the dub-dub sound musically. They will also learn what pulse means when referring to a piece of music.

Maths-Using and applying Maths skills:

The children will explore their heart rate in beats per minute, investigating if those in the class with slower resting heart rates are fitter by completing a 50m sprint.

They will construct pie charts representing different blood groups.

Computing- Visit the 'Give Blood' website and find key information and share our discoveries. Create a flowchart diagram to illustrate the circulation process and create a short video clip about the importance of a healthy lifestyle.

Art-

To model a heart out of clay, using photos from the dissection to help sculpt it.

Create abstract paintings using different shades of red and using a range of techniques- blow, smudge, mark and print.

Design and Technology-

Use a variety of funnels and tubing to make an effective homemade stethoscope to find the furthest distance at which you can still hear the heartbeat through a tube. Explain how the sound is transmitted.

Look at a range of packaging for foods that claim health benefits, identifying words and phrases that encourage or persuade customers.

PSHE- Share 'The Heart and the Bottle' by Oliver Jeffers, discussing what happens and how life might be different if you didn't have a heart.

Foreign Languages-

To learn a song in Spanish- Head, Shoulders, Knees and Toes. The children will also learn the alphabet in Spanish and learn about Spanish Christmas traditions.