

Blood Heart



Let's explore our circulatory system!

At the start of our project, we'll dissect an animal heart, finding out about the different parts and how the blood flows. Afterwards, we'll write a report of the experience and use software and models to learn more about how the circulatory system works. We'll use a data logger to measure our heart rates and test how it is affected by exercise. In D&T, we'll make model hearts, and test materials before making a stethoscope. As part of our music work, we'll use our bodies as percussion instruments and feel our pulse. We'll read shape poetry, and write poems inspired by the heart. We'll learn about how smoking affects the heart and write adverts to persuade people to stop smoking. We'll visit the 'Give blood' website, and make a flow diagram to illustrate the circulation process.

At the end of the ILP, we'll create fact files to share what we have learned.

ILP focus	Science
English	Non-chronological reports, poetry, slogans and adverts, biographies, stories
Science	Human circulatory system, measuring heart rate, history of blood groups, lifestyle effects
Art & design	Modelling and sculpture, abstract art
Computing	Using websites, flow diagrams
D&T	Selecting tools and equipment, healthy recipes, product packaging, working models
Mathematics	Pie charts
Music	Pulse, heart raps
PE	Cardiovascular exercise

Help your child prepare for their project

Your heart will be with you forever, so it's important to look after it. Why not research heart-healthy foods together and try out delicious, nutritious recipes that will make your heart happy? You could also set up an obstacle course in the garden and take each other's pulse before and after exercise to see how it changes. Alternatively, you could investigate advice for keeping your heart healthy and make an informative poster.