

# Blood Heart



Let's explore our circulatory system!

At the start of our project, 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
<b>English</b>	Non-chronological reports, poetry, slogans and adverts, biographies, stories
<b>Science</b>	Human circulatory system, measuring heart rate, history of blood groups, lifestyle effects
<b>Art &amp; design</b>	Modelling and sculpture, abstract art
<b>Computing</b>	Using websites, flow diagrams
<b>D&amp;T</b>	Selecting tools and equipment, healthy recipes, product packaging, working models
<b>Mathematics</b>	Pie charts
<b>Music</b>	Pulse, heart raps
<b>PE</b>	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.