

London Plane Class Summer Term 2021

Blood Heart



Crimson, scarlet, burgundy, cherry. Blood flows through our bodies in all its vibrant shades of red. Let's explore our circulation system. Now, surgeons, don't be squeamish as we dissect an animal heart and examine the veins, arteries and chambers up close. They all work hard to move blood around our bodies. William Harvey was fascinated with anatomy, and made groundbreaking discoveries about valves. I wonder what we might uncover? Why do people give blood? Find out how to keep your heart happy with cardiovascular exercise and healthy food. Kickstart a campaign to spread the word about the damage caused to the lungs and heart by smoking. Hearts pound, flutter and maybe skip a beat. What makes your heart race? Is it a secret? Cross my heart, I won't tell.

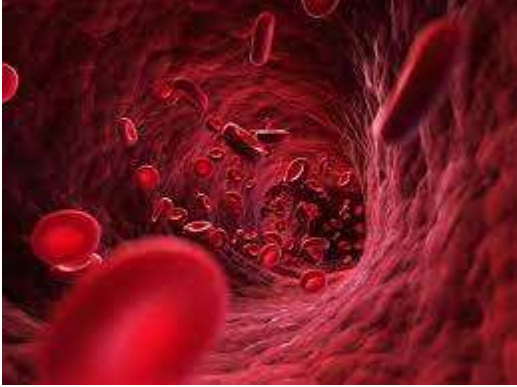
As Mathematicians, children will complete their learning in the area of shape and geometry by exploring the angles in a range of shapes. They will use their knowledge to construct different shapes from given information and will extend this into creating nets for 3d shapes. They will also complete a range of activities that aim to bring together their maths learning from the year in everyday contexts such as cooking and trip planning.



In English, children will further explore specific genres such as non-chronological reports, poetry and biographies. They will continue to increase the range of grammatical and structural features that they confidently use in their own writing. They will have an opportunity to create a free choice piece of writing to celebrate the progress made in their writing. They will also focus on spoken language, performance and drama working towards our end of year production. We will be reading the novel *Pig Heart Boy* by award-winning author Malorie Blackman.

In Science, children will identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. This will include describing the ways in which nutrients and water are transported within animals, including humans. They will recognise the impact of diet, exercise, drugs and lifestyle on the way

their bodies function. The children will plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. They will take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.



In Religious Education, children will complete a unit exploring the key question of “Why do humanists say happiness is the goal of life?” They will explore what ‘happiness’ means to them and consider how this influences how humanists live their lives. They will learn how humanists celebrate different events in life and use their learning to redesign the humanist logo.



As Historians, children will know and understand significant aspects of the history of the wider world, evaluating the human impact on science, specifically that of the human body. We will explore the life and work of William Harvey, as well as other leading figures in this area.



As Artists, children will explore the work of Leonardo da Vinci and update their sketch books with research, mark making and a monoprint creation of a skull or organ of the human body. They will then add detail using the mark making techniques that they have experimented with.



As designers, children will use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. These will include designing and creating effective stethoscopes.

As Musicians, children will explore pulse and its importance in music.



In Computing, children will develop their skills as coders using a range of apps and software to solve different problems. They will have the opportunity to deepen their understanding of multimedia presentations, exploring the best ways to present different writing outcomes to a wider audience. They will explore the creation of stop motion animations and create a short movie.

In PSHCE, children will learn how to keep themselves safe from the sun and whilst in the water. They will explore the changes that humans go through during puberty both of a physical and emotional nature. They will reflect on the importance of hygiene, before moving on to what makes healthy relationships and how babies are made.

In Physical Education, children will be working of a variety of team and individual games, including tennis and Kwik Cricket. They will also have the opportunity to develop their skills in athletic events both on track and field.

