

## Sprite Class

We have started this half term off by introducing our new topic, 'Growing Up' where we will learn all about the human body. Last week, the children learnt all about the circulatory system and how blood flows around the body by creating a model of the heart using blue and red playdough.

We have also been doing lots of revision for SATs week, which begins on Tuesday 9<sup>th</sup> May. Well done to those of you who have completed all of the online learning on Atom Learning and Seesaw!

Reminders:

- As part of our IPC topic, we are hoping to head to the British Science Museum for an exciting exhibition, please pay the £4.50 via School Gateway as soon as possible. Unfortunately, if we do not receive enough, we will be unable to attend the trip.

How the blood travels through the heart

The Cardiovascular System.

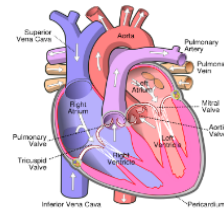
The cardiovascular system contains the heart, veins, arteries and capillaries. This system provides blood supply throughout the body. This system makes sure that oxygenated blood flows around the body.

The Heart

The Heart has 4 chambers these include: The right-left atrium and the left and right ventricle. Everyday, the heart beats 115 thousand times. When you breathe, oxygenated blood goes through the lungs into the heart. After that, the oxygenated blood goes into the vena cava then into the right atrium. Next, the valves open up letting the blood into the right ventricle then gets sucked up by the pulmonary artery.

How does the blood flow around the body?

The heart pumps blood around the body in a constant cycle, as a result of the nerve system sending signals. Blood travels to the heart through the superior and inferior vena cava transporting deoxygenated blood to the right atrium. When the blood travels into the right atrium, the valves open up making the blood go into the right ventricle. Soon after, the blood travels through the pulmonary artery back to the lungs. Then the oxygenated blood travels to the pulmonary vein which leads to the left atrium (one of the 4 chambers of the heart). As the mitral valve opens, the blood travels into the left ventricle which then will be sucked up through the aorta then goes through the rest of the body.



What are the veins, arteries and capillaries?

The cardiovascular system is filled with lots of little tubes, which helps travel oxygenated and deoxygenated blood around the body. The veins travel blood all around the body and towards the heart. Whereas the arteries take blood away from the heart which then will go back to the lungs to get oxygenated blood. Capillaries are blood vessels that exist around the body.

Miller

