

Science Project

Using the knowledge organiser, create a poster (or a two page spread if possible) on earth and space. Please make it as attractive as possible so that we can display it when school re-opens.

THE CIRCULATORY SYSTEM

DID YOU KNOW?


Your Heart is about the size of your fist.

Blood is very important in our body. If we did not have any blood, we would not be alive. Have you ever wondered how blood travels? How and what does it do? Read on to know every little aspect of the Circulatory System.

DID YOU KNOW?

The Heart has 4 chambers.



The Heart and Lungs



Deoxygenated blood travels into the heart through veins. When the blood reaches the heart it passes through Superior vena cava and into the Right atrium. A small valve that one way valve that then the one way tricuspid valve pumps blood from the Right Atrium into the Right ventricle. In this chamber the heart muscles squeeze the blood through another one way valve called the Pulmonary valve. Each valve pumps every second. Once the blood from the Right Ventricle has reached the Pulmonary artery it then travels to both lungs. The right and left lung then supply the Deoxygenated blood with new oxygen. This blood is called oxygenated blood. Next, the oxygenated blood travels back into the left side of the heart through Pulmonary veins and into the Left atrium. Another valve called the Mitral valve separates the left atrium from the left ventricle. Next, the heart muscles push blood out the Aortic valve and all around the body. This process is happening to you right now.

Blood

Blood consists of four main components: Red cells, white cells, Platelets and Plasma. All of these make up blood. The Red blood cells carry oxygen and remove rubbish from the body. The White blood cells remove germs and illnesses. The Platelets heal cuts and bruises on the body. These parts float in a liquid called plasma. Plasma transport all the components around the body.

Red Cells	White Cells
	
Platelets	Plasma

Facts

- The Heart is a powerful muscle.
- If we didn't have the Circulatory system we would be dead.

Isn't super effort! Check capital letters