



Endpoints for Science

Year 6 – The Journey of Blood



We will be learning about the role of the circulatory system and its main parts, carrying out research to answer our own questions. We look closely at the heart's structure, functions and features; explore blood by preparing a representation of a separated sample; learn how each blood vessel works; and discover how diet, exercise and drugs affect the body.

What I know and can explain

The circulatory system is the system that moves blood around the body to transport oxygen, water and nutrients to where they are needed

The circulatory system is made up of three parts: the heart, blood vessels and blood

The heart, blood and blood vessels make up the circulatory system

The heart is a muscular organ that pumps blood around the body through the blood vessels

Blood is made up of plasma, platelets, red blood cells and white blood cells

Blood is a substance that transports oxygen, other nutrients and hormones around the body. It also carries carbon dioxide and other waste products so they can be excreted

Blood vessels are tubes inside the body, and there are three types: arteries, capillaries and veins

Regular exercise benefits the body by keeping the heart and lungs healthy, reducing weight, strengthening muscles and lowering stress

Useful Vocabulary

Artery - A type of blood vessel that carries blood from the heart to other parts of the body

Blood vessel - A flexible tube that transports blood around the body

Bone marrow - A jelly-like substance inside bones that makes blood cells

Capillary - A tiny blood vessel that allows nutrients to pass from the blood into the body's tissues and waste products to pass from the tissues into the blood to be excreted

Circulatory system - All the body parts that work together to move blood around the body

Haemoglobin - A protein in red blood cells that holds on to oxygen before releasing it around the body

Platelet - A small cell fragment in the blood that clumps with others to stop bleeding

Vein - A type of blood vessel that carries blood back to the heart from other parts of the body

White blood cell - A type of blood cell that fights infection and other diseases