



Year 6 – Spring 2

# Blood Heart

Topic focus: Science & DT

This is the knowledge organiser for our topic. It includes all the learning outcomes, key facts and vocabulary. Please share this with your child to help them develop their knowledge and understanding of our topic.

## Did you know?

Deoxygenated blood is not blue. Veins appear blue in our arms and legs due to the different wavelengths of light absorbed by our skin. Human blood is red due to a substance called haemoglobin.

### Key vocabulary:

**Aorta:** The largest artery in the body, which delivers blood from the heart to the rest of the body.

**Artery:** A blood vessel that carries blood away from the heart to the rest of the body.

**Atrium:** One of the upper two hollow chambers of the heart that collects blood as it enters the heart and before it is pumped to the ventricles.

**Blood:** A fluid found in humans and other animals which provides nutrients and oxygen to all parts of the body. Blood carries away waste and helps fight disease.

**Capillaries:** Tiny blood vessels whose walls are so thin that oxygen, nutrients, and waste products flow through them.

**Circulation:** The movement of blood through the vessels.

**Heart:** The muscular organ that pumps your blood around your body.

**Heart rate:** Another term for a heartbeat or rhythm. The number of times the heart beats in a minute. A normal heart rate ranges from 60 to 100 beats per minute at rest.

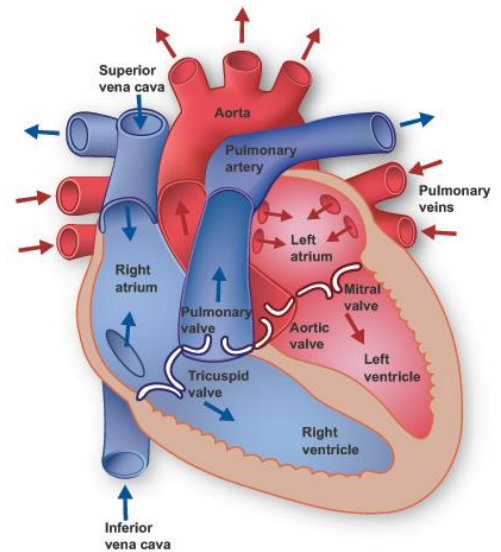
**Oxygen:** A colourless, odourless, tasteless gas, that is necessary to live.

**Valve:** Flap-like structures within the heart that open and close to control the flow of blood through and out of the heart.

**Vein:** A blood vessel that carries blood from the body toward the heart.

**Ventricle:** One of the two lower chambers (V) of the heart. The right ventricle sends blood to the lungs, and the left ventricle sends blood carrying oxygen to the rest of the body. The ventricles are the main pumping chambers of the heart and they contract at the same time.

**Vessel:** The tubes that carry blood around the body. Arteries, capillaries, veins are all blood vessels.



## Did you know?

The blue whale has the largest heart of any living creature: it can weigh over 680kg and is the size of a small car!

### Circulation

