

# Year 5/6 Animals including Humans Knowledge Organiser



## What do I know ?



- I know that humans need to eat a balanced diet, take regular exercise and have good hygiene to be healthy.
- I know that animals get nutrition from the food they eat.
- I know why humans have a skeleton and muscles.
- I can describe the basic parts of the digestive system.
- I can identify the different types of teeth in humans and describe their function.

## Gems of knowledge



- I will learn about the circulatory system and its three main parts.
- I will learn about the function of the main parts of the circulatory system.
- I will learn how diet, exercise, drugs and lifestyle can impact the body's function
- I will learn how nutrients and water are transported within animals, including humans.

## How will I work like a Scientist?



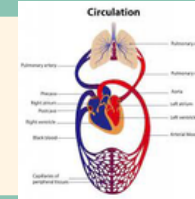
I will use test results to suggest further comparative or fair tests.

Key vocabulary

Picture

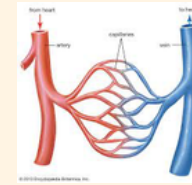
Meaning

The circulatory system



A system that pumps blood around the body.

Blood vessel



A system of tubes that carry the blood throughout the body. **The three main types are arteries, veins and capillaries.**

Oxygenated blood



Blood that has more oxygen. It is transported from the heart to the rest of the body.

Deoxygenated blood



Blood that is low in oxygen.

Aorta



The major blood vessel that carries blood away from the heart to the rest of the body.

## Significant Scientist



William Harvey discovered the the nature of blood circulation and the function of the heart as a pump. Before this, people thought that blood travelled through the body by the contraction of the arteries.

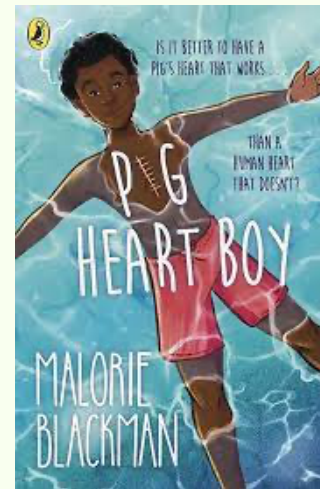


Careers in Biology (Human body) X

A **cardiology physician** finds, treats and prevents diseases related to the cardiovascular system.

**Sports nutritionists** help athletes develop strategies to eat well.

## Read me!



Pig-Heart Boy by Malorie Blackman.

Skellig by David Almond.

