

Willow Tree Academy - Summer Term - Year 6 - What makes me, me?

Key Knowledge

Evolution - A process where living creatures have adapted over a very long time to form new species.

Natural Selection - This process allows creatures which are more suited to an environment better chances of surviving and reproducing offspring.

Fossils - These are the preserved remains of ancient animals or plants. They allow scientists to see how creatures have evolved over time.

Circulatory System - This is the key bodily system which involves the heart and blood vessels pumping blood around the body so it receives oxygen and nutrients.

Digestive system - The system which uses the small and large intestines to absorb water and nutrients into the body which are then transported by the blood.

Exercise - Regular exercise is an important part of staying healthy and it will have many short term and long term effects on the body including: muscle growth; giving you more energy; increasing your heart rate; helping you to sleep better.

Key Vocabulary

Inheritance - When characteristics are passed from parents to offspring.

Variation - The differences between individuals within a species.

Adaptation - a characteristic increasing the chance of surviving and reproducing.

Heart - An organ that constantly pumps blood to your lungs and around your body.

Pulmonary - A word relating to the lungs.

Arteries - Carry oxygenated blood around the body away from the heart.

Veins - Carry deoxygenated blood back to the heart from the body.

Capillaries - small blood vessels where gas and nutrients can be exchanged.

Alveoli - tiny air sacs where oxygen and carbon dioxide are exchanged in the lungs.

Nutrients - substances that animals need to stay alive and healthy.

Villi - structures in the small intestines which absorb nutrients.

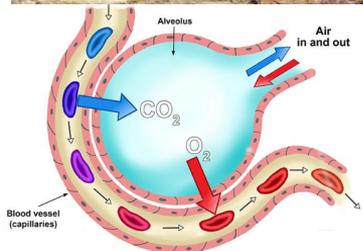
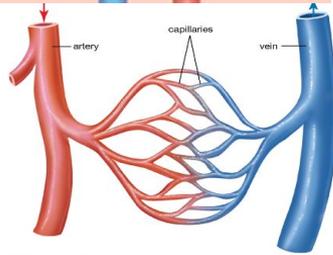
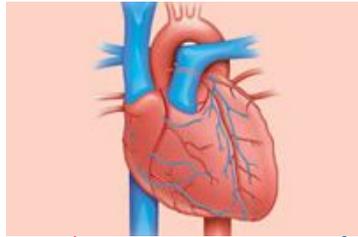
Drug - A substance containing natural or man made substances that have an effect on the body.

Key Dates and people

Mary Anning - (1799 - 1847) - Key person who first discovered fossils on the coastline of Dorset.

Charles Darwin - 1859 published Origin of the Species which proved Evolution was taking place in the Galapagos Islands.

Aneurin Bevan - introduced the National Health Service to Great Britain in 1948.

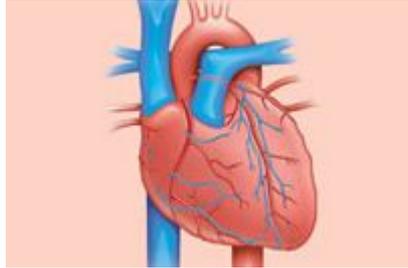


Key Knowledge

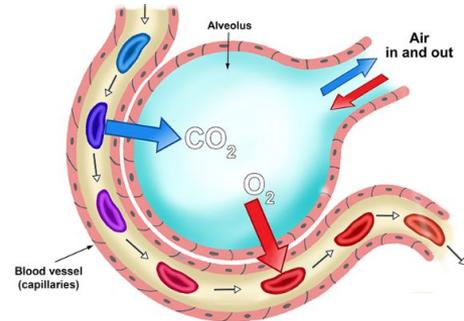
Fossils -



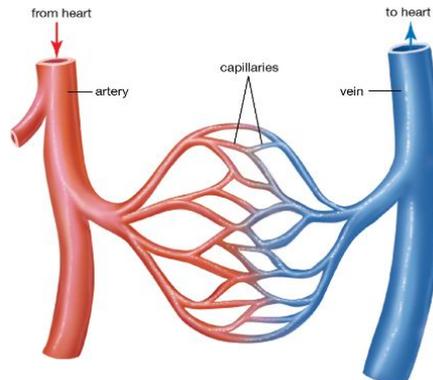
The Heart - pumps blood around body



Gas exchange in Alveoli



Types of blood vessels



Key Learning

PSHE/P4C - What is kindness? Key author.
R J Palacio
<https://wonderthebook.com/books/wonder>



PE - tennis skills and athletics

Geography - Mapping locations

History - the history of the NHS

Art - Mixed media compositions



Key questions for enquiry

What are the long term effects of exercise?
Why is a balanced diet important?
Are all drugs bad?

NUMERACY

As mathematicians we will develop our skills of data collection and interpreting

Statistics

Data collection

Graphs linked to heart/pulse rate from exercises carried out

LITERACY

As writers we will focus on developing our reflection skills to improve our quality of writing

Discursive writing linked to Wonder
Explanation text-How the heart works
Diary entry in the role of Auggie
Persuasive text- Fitness product
Narrative linked to Wonder
Formal letter for transition

ART & CRAFT

As artists we will look at pencil, watercolour, charcoal and mixed media filing techniques

My future - self portraits
Heart
Skeleton

Picture This - Linked to Movement (Own school contributions)

SCIENCE

As scientists we will record and present information in different ways

Heart rate/Pulse rate
Components of blood
Circulatory system
DNA
Diet
Drugs
Evolution and Inheritance

STEM

Circulatory system
Breathing machine
DNA Helix

TOPIC:

What makes me, me?



PE

As sportspeople, we will develop our resilience skills to improve performances

Tennis
Athletics linked to sports day events

French

Jobs and Aspirations for the future

MUSIC

Songs about moving on and looking to the future

PSHE/P4C

We look at developing and forming new relationship skills for the future.

Living and growing
Aspirations
Hygiene and health
Diet and drugs
Healthy Relationships

and Reproduction - parents can opt out of this lesson. A letter will be sent if you wish to withdraw your child from this lesson.

GEOGRAPHY

As geographers we will develop our skills of mapping locations.

Mapping and orienteering of locations in the local area ready for our future travels

HISTORY

As historians we will follow a line of enquiry and use real life sources by researching where we came from

Creation of the NHS
Family Trees