

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.

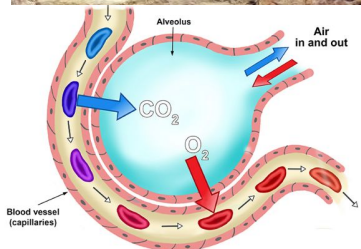
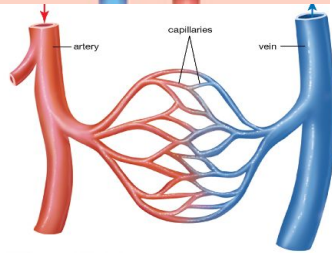
Drug - A substance containing natural or man made substances that have an effect on the body.

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.

Tim Berners-Lee - invented the World Wide Web in 1989.



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

Explanation text-How the heart works

Diary entry in the role of Auggie

Letter-Autobiography to new teacher

Persuasion-My school

ART & CRAFT

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

Self portraits

Picture This - linked to light

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

Cricket and Rounders

FRENCH

Jobs and Aspirations for the future

MUSIC

How does music change our way of life?

Chords and structure

Music notation

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.

HISTORY

As historians we will seek to understand how technological and cultural changes can influence our lives

The digital revolution

Fashion

Popular music