Knowledge Sheet Science Animals Including Humans Cycle B UKS2

Intent

At Havannah Primary School, we intend to deliver a Science curriculum that is fully inclusive for every child and instils a curiosity and fascination about the natural and man-made world. Our aims are to provide a high quality, broad, balanced and differentiated curriculum that ensures all children acquire the knowledge and skills to make progress in Science and importantly, it should help the children to develop a love of Science.

Science at Havannah is now taught in the three strands of biology, chemistry and physics. Through different types of scientific enquiry, all of the children will have the opportunity to develop skills when working scientifically and become aware of prominent scientists.

Skills (Working Scientifically)

* Recording data for the length and mass of babies as they grow on a line graph
* Research the gestation period of different animals and compare them with humans
* Pattern Seeking – The longer the arm the further the throw (class data set and repeat 2 times for reliability)
* Identify the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
* Planning a scientific enquiry to identify the impact of exercise on the human body, including recognising and controlling variables
* Taking measurements with increasing accuracy and precision and repeating readings where appropriate to record heart-rate during exercise

Identify scientific evidence by exploring the work of scientists and scientific research about the relationship between diet, exercise, drugs, lifestyle and health.

Prior Knowledge

Previously, children will have looked at healthy eating and keeping the body healthy.

They will have also compared different species of animals. In year 3 and 4, they begun to investigate the structure of animals and humans. Looking at their bodily functions.

Key Vocabulary

Develop

Old age

Foetus

Childhood

Adolescence

Gestation period

Fertilisation

Circulatory system

Heart

Blood

Blood vessels

Hands

Feet leg

Sense

See

Hear

Smell

Touch

Taste

**Key Knowledge**

* To know the changes as humans develop to old age.
* To know and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
* To know and recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
* To know the ways in which nutrients and water are transported within animals, including humans.

Famous Scientists

Dr Daniel Hale Williams

Marie Maynard Daly