

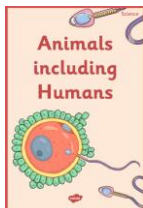


Animals including humans

Science
Year 5
Summer Term

Overview

During this topic, we will be describing and identifying the changes that occurs as a human develops into old age. We will be comparing humans at different ages and conducting a range of experiments.



Knowledge & Understanding

In this unit, the pupils will:

- describe the changes as humans develop to old age

Enquiry Skills & Concepts

In this unit, the pupils will be:

- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- taking measurements with increasing accuracy and precision, taking repeat readings when appropriate
- recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- using test results to make predictions to set up further comparative and fair tests
 - reporting and presenting findings from enquiries, including conclusions.
- identifying scientific evidence that has been used to support or refute ideas or arguments.

Home – School link project

During this topic pupils can choose to:

- Create a family tree
- Create a life timeline for different animals.

Topic Vocabulary

adolescent – a young person who is developing from a child into an adult

foetus – an unborn offspring of a mammal

fertilisation – the process in which a plant or mammal is fertilised

gestation -period of time that a mammal carries her offspring inside her body before giving birth

hormones - a chemical substance produced in the body

life cycle – the different stages or changes an organism experiences in their life

puberty- the period during which adolescents reach sexual maturity and become capable of reproduction

species – a group of animals or plants that have similar characteristics and can breed with each other

Working Scientifically

accuracy – how close a result comes to the true value

analyse – explore why something happened the way it did

comparative test – a test that compares one event to another and identify different outcomes

data – information collected for a specific purpose

evaluation – examining how your test could be improved / changed in the future

fair test – a test that controls all but one variable when attempting to answer a scientific question

prediction – to use prior knowledge to state the outcome before it has happened

variable – can change and not constant