

Knowledge Organiser

Key Vocabulary

life cycle, milestone, development, puberty, adolescence/adolescent, **gestation, pregnancy, reproduce, placenta, centile, fertilise, zygote, foetus, offspring**
male, sperm, testes, penis, scrotum
female, menstruate, period, uterus, ovary, womb

Domain Knowledge (references all facts children will need to access learning)

Male and female bodies have different reproductive organs.
Female bodies menstruate once every 28 days.
Bodies change as we grow older and humans develop through several stages of life.
It is important to keep our bodies healthy by getting plenty of sleep, a balanced meal and exercise.

Where can this take you in the future?



A good understanding could set you on the path to becoming...

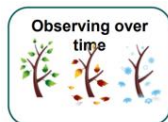
Zoologist, Human biologist, Doctor, Nurse, Paediatrician or Midwife

The Big Question: How and why has the life expectancy in the UK changed since the middle ages?

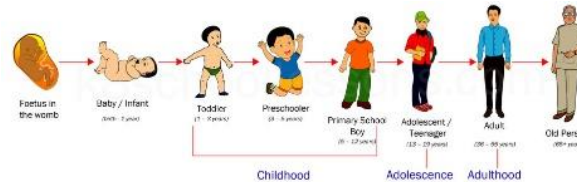
ACT

Conceptual Science Knowledge – Animals including humans

Understand the purpose of gestation (pregnancy) and that animals have different gestation periods.
Understand how the foetus develops in humans.
Recognise key milestones in baby and child development.
Identify and understand the changes in the adolescent human body during puberty.
Identify physical and mental changes from adulthood to old age.



Biology



Working Scientifically Knowledge – Identifying, classifying and grouping

In order to answer the big question 'What are all the stages in the human life cycle?', we will be identifying, classifying and grouping.

- Planning scientific enquiry based on the big question
- Discussing how best to answer the question and gather and collate data
- Reporting findings through classification and explanations

Questions for experts

What's different and what's the same between the people in your house?

Measure the height (in m and cm) of people in your house and plot it on a scatter graph against their age.



<https://youtu.be/DTyfBmoYKFo>

STEM links to try at home

Animals including humans: Life Explorers

<https://www.stem.org.uk/resources/elibrary/resource/99366/animals-including-humans-life-explorers>



Trips and visits

Take a trip to We The Curious.

Or find out what it's like to be a doctor.
<https://www.bbc.co.uk/teach/class-clips-video/pshe-ks1-ks2-proud-to-be-a-doctor/z7kfbdm>