

Animals including humans- Year 5- Kapow unit- Human timeline

Previous learning

Describe the simple functions of the basic parts of the digestive system in humans

Identify the different types of teeth in humans and their simple functions

Construct and interpret a variety of food chains, identifying producers, predators and prey.

Key scientists you could look at...

Jean Baptiste Lamarck

Scientific skills

Working scientifically	Questioning and enquiry	Observing and measuring	Investigating	Recording	Grouping and classifying
Use practical scientific methods, processes and skills, covered in a variety of ways throughout the year	Begin to plan different types of scientific enquiries to answer questions, including recognising and controlling variables when necessary.	Begin to take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings where appropriate. Begin to identify patterns that might be found in the natural environment. Begin to make own decisions about what observations, measurements, and equipment to use. Begin to interpret data. Begin to make accurate and precise measurements.	Begin to test results to make predictions to set up further comparative and fair tests. Begin to recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why. Begin to suggest improvements to the method and give reasons.	Begin to record data and results of increasing complexity using scientific diagrams and tables, classification keys, tables and bar and line graphs. Begin to report and present findings from enquiries. Begin to decide how to record data from a choice of familiar approaches. Begin to choose how best to present data	Begin to use and develop keys and other information to record, identify, classify and describe living things and materials.

Key Vocabulary for Year 5

Foetus	Development
Embryo	Puberty
Womb	
Gestation	
Baby	
Toddler	
Teenager	
Elderly	
Growth	

Previous vocabulary

Mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, digestive system, herbivore, carnivore, canine, incisor, molar

Useful links

<https://www.stem.org.uk/resources/community/collecion/13293/year-5-animals-including-humans>

<https://www.hamilton-trust.org.uk/science/year-5-science/animals-including-humans-life-explorers/>

Experiment and activity ideas

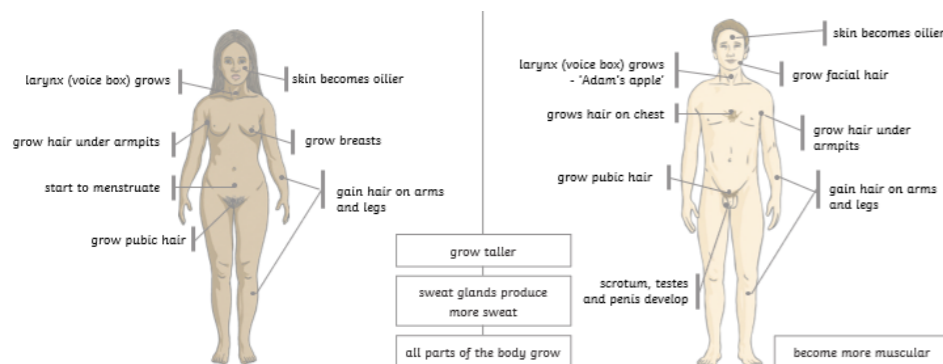
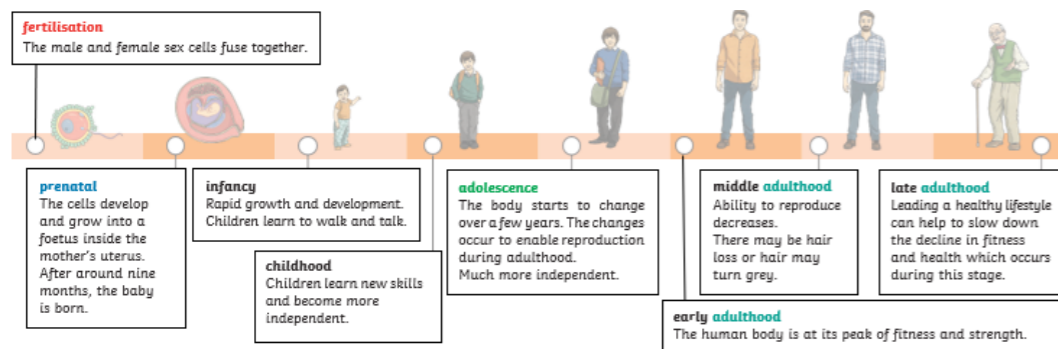
Identify changes as people develop to old age	Watching clips of human life cycle	Create own human lifecycles	Create gestation period graphs- maths link	Human timeline
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Knowledge- objectives

Describe the changes as humans develop into old age.

Resources in school

Human body, x rays, stop watches, magnifying glasses, bug finders, stethoscopes, height measure, teeth model, PSHCE resources on puberty



Key Vocabulary

adolescence	The social and emotional stage of development between childhood and adulthood .
puberty	The physical stage of development between childhood and adulthood .
menstruation	When the female body discharges the lining of the uterus. This happens approximately once a month.
adulthood	The stage of development when a human is fully grown and mature.
life expectancy	The length of time, on average, that a particular animal is expected to live.

Key Vocabulary

fertilisation	The process of the male and female sex cells fusing together.
prenatal	The stage of development from the time of fertilisation to the time of birth.
gestation	The process or time when prenatal development takes place before birth.
reproduce	To produce young.
asexual reproduction	A process where one parent produces new life.
sexual reproduction	A process where two parents – one male and one female – are required to produce new life.
life cycle	The changes a living thing goes through, including reproduction.

To look at all the planning resources linked to the Animals Including Humans unit click [here](#).