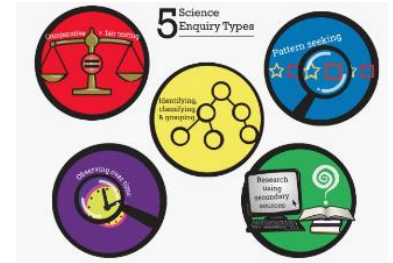


Year 5 Summer Term

Animals including humans



Prior knowledge learned in year 4

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

National Curriculum for year 5

describe the changes as humans develop to old age

What you should already know...



- Food chains are used to show how living things get their food.
- Food chains are made up of producers (who produce their own food) and consumers (animals who eat producers and other consumers).
- Humans have incisor, canine, pre-molar and molar teeth, each with different jobs. Animals have different make-ups of teeth depending on their food.
- The digestive system has several functions, including ingestion, absorption and excretion. It is made up of different parts, e.g. the stomach.

Ageing to Old Age



- Muscle mass decreases and muscles lose strength.
- Wrinkles develop on the skin, and it loses its elasticity.
- Hair begins to turn grey/ white. Many people begin to lose the hair on their heads (mainly men).
- Fertility decreases (more quickly for women).
- People begin to shrink in height as bones and cartilage become worn down.
- Organs begin to lose their effectiveness, and the senses (e.g. sight, hearing, etc.) become weaker.

Puberty

What is puberty?



-Puberty is when a child's body begins to grow, change and develop as they become an adult.

-In humans, puberty normally begins around age 11-12, however it can take place anytime from age 8-14. Puberty happens when the pituitary glands begin to release hormones.

Males



- Boys grow taller. They develop more muscle mass, and their chest and shoulders broaden.
- Boys' voices become deeper. Their skin becomes oilier, meaning they may get spots.
- Hair begins to grow on their faces and bodies, including armpit and pubic hair.
- Penis and testicles grow larger. The testicles begin to make millions of sperm.

Females



- Girls grow taller. They develop breasts, and their hip bones widen. The body becomes curvier.
- Boys' voices become deeper. Their skin becomes oilier, meaning they may get spots.
- Hair begins to grow on their bodies, including armpit and pubic hair.
- Menstruation begins. Girls begin to have periods, and their uterus (womb) begins to grow.

Growth and Development of Animals

Humans	House Mice	African Elephants	Saltwater Crocodiles	Blue Whales
Gestation Period: 9 months	Gestation Period: 20 days	Gestation Period: 22 months	Gestation Period: 2-3 months	Gestation Period: 10-12 months
Sexual Maturity: 11-17 years	Sexual Maturity: 4-6 weeks	Sexual Maturity: 10-12 years	Sexual Maturity: 10-12 years	Sexual Maturity: 10 years
Life Expectancy: 80 years	Life Expectancy: 1 year	Life Expectancy: 60 years	Life Expectancy: 70 years	Life Expectancy: 90 years

Key texts

Human growth
Puberty
Humans and other animals
Measuring human growth

Vocabulary

foetus, embryo, womb, gestation, puberty baby, toddler, teenager, elderly, growth, development,

Scientists

- Alexander Fleming- Penicillin
- Louis Pasteur- Vaccination
- Eva Crane -Reproduction in Bees
- Virginia Apgar
- [obstetrical anaesthesiologist](#)

What is meant by the word puberty?

Can you identify 6 signs of an aging human?

At what age does puberty start in most humans?

Can you suggest ways in which boys' bodies change?

Can you suggest ways in which girls' bodies change?

Human Ageing Timeline

