

Frozen Kingdom- Science

Vocabulary	
Word	Definition
Reproduction	I process by which new individual organisms – "offspring" – are produced from their "parents"
Puberty	The period of life when a person’s sexual organs mature and other body changes occur
Gestation	Period of time and process between fertilisation and birth of offspring
Fertilisation	When a sperm and egg join together to start a new life
Life span	The length of time something lives for
Foetus	An unborn baby that has developed from an embryo
embryo	A newly fertilised egg

Previous Knowledge

In KS1 &you learnt about different habitats and what living things needs to grow.

In Year 3 and 4 you learnt about how plants grow and the functions of different parts. You also learnt to classify living things and how we have skeletons for movement and protection.

Earlier this year, you learn about the life cycles of insects, birds and amphibians.

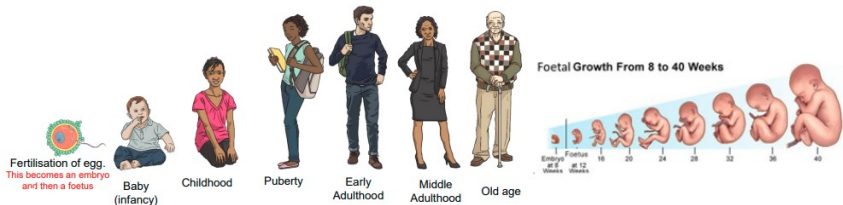
Science Key Concepts

Working Scientifically	Biology - Plants	Physics - Forces	Biology - Animals	Chemistry - The 3 States of Matter	Environment
Chemistry - Changing State	Biology - Humans	Physics - Electricity & Magnetism	Physics - Waves	Physics - Weather & Space	

It takes a foetus (unborn baby) about 40 weeks to develop inside the womb. During that time the fertilised egg becomes an embryo, and then a foetus.

When a baby is born, it is completely helpless, but grows steadily and becomes a more independent child. The child then experiences puberty, where they become an adolescent who is capable of reproducing themselves.

As adults gets older, and enter middle age, they become noticeably weaker. At the end of middle age, females are no longer able to reproduce. The last stage of a human’s life is old age, when they are increasingly dependent on support from others.



Key facts

- The human life cycle is the process of changing and developing from birth to old age
- In old age, we can expect degeneration, e.g. eyesight and hearing declines, we may get grey hair and our memories fade
- When some animals are born, they can already swim or walk. Some are able to find their own food. Some of these animals become adults in a few weeks, and are then able to reproduce and have offspring of their own.
- Puberty is the stage of development between childhood and adulthood. Changes happen inside and outside of the body during puberty.

Spellings: achieve, average, existence, identity, individual, muscle, system