



St. Austin's Primary School - Science



Topic: human life cycle

KS2 – Year 5

Speaking Scientifically

puberty	Is the name for the time when your body begins to develop and change as you move from childhood to adult.
reproduction	It is the way different plants and animals make new plants and animals. The reproduction system differs in plants and animals.
gestation	Gestation, in mammals, the time between conception and birth, during which the embryo is developing in the uterus.
classification	This is the grouping together of similar species of plant, animal and other organisms.
precision	For scientists, precision describes a measurement system, that is, how good it is at giving the same result every time it measures the same thing.
teenager	It is the age between thirteen and nineteen. The 'teen' element gives rise to the word teenager. It is a time that humans mature quite rapidly.
obese	Obesity is the condition of being much too heavy for one's height so that one's health is affected. In other words, it means to be too overweight.
embryo	Fertilisation happens when an egg cell meets with a sperm cell and joins with it. The fertilised egg divides to form a ball of cells called an embryo
toddler	Is the period that a young child starts to walk and become more independent.

Cross Curricular/ Everyday Life



What I need to know

- the life cycle of different living things, e.g. mammal, amphibian, insect bird.
- the differences between different life cycles.
- know the process of reproduction in plants.
- create a timeline to indicate stages of growth in humans.

Skills

- I can present a report of findings through writing, display and presentation
- I can record more complex data and results using scientific diagrams, classification keys, tables, bar charts, line graphs and models
- I can report findings from investigations through written explanations and conclusions
- I can use graphs to answer scientific questions

Sticky Knowledge

The years between 6 and 14 -middle childhood and early adolescence - are a time of important developmental advances that establish children's sense of identity.

Many insects have four stages in their life cycle: egg or the unborn stage; larva – young stage; pupa – inactive no feeding) stage; and, adult stage.

In general, the life cycles of plants and animals have three basic stages including a fertilized egg or seed, immature juvenile, and adult. However, some organisms may have more than 3 life cycle stages, and the exact names of each stage can slightly differ depending on the species.

life cycle	the series of changes as a living thing develops and grows

- the changes that take place at different stages of human development

The early years, especially the first three years of life, are very important for building the baby's brain. A child's brain develops rapidly during the first five years of life, especially the first three years. It is a time of rapid cognitive, linguistic, social, emotional and motor development.