



Animals including humans

KNOWLEDGE MAT

YEAR 5
SCIENCE

WHAT I ALREADY KNOW

The main features of the digestive system.

The jobs of the saliva, gall bladder, liver, duodenum, oesophagus.

The position of organisms in a food chain.

The meaning of omnivore, herbivore, carnivore and detritivore.

The names of the teeth and explain the function of them.

The causes of tooth decay.

WHAT I WILL LEARN

To name the 6 stages of human development and explain the changes that occur at each stage.

To explain that babies grown in both height and weight.

To identify the changes that happen to boys and girls during puberty and explain why these changes occur.

To use factual information to describe the changes that happen in old age.

KEY VOCABULARY

adolescence -the period of your life in which you develop from being a child into being an adult

adulthood- the state of being an adult development the gradual growth or formation of something

foetus- an animal or human being in its later stages of development before it is born

genitals- the reproductive organs

gestation- the process in which babies grow inside their mother's body before they are born

growth- an increase in something

hormones- a chemical, usually occurring naturally in your body, that makes an organ of your body do something

independent- If someone is independent, they do not need help or money from anyone else.

infancy- the period of your life when you are a very young child

life cycle- the series of changes that an animal or plant passes through from the beginning of its life until its death

life processes- There are seven processes that tell us that living things are alive

mature- When a child or young animal matures, it becomes an adult

menstruation- the approximately monthly discharge of blood by non-pregnant women from puberty to the menopause

offspring- a person's children or an animal's young organ a part of your body that has a particular purpose

puberty- the stage in someone's life when their body starts to become physically mature

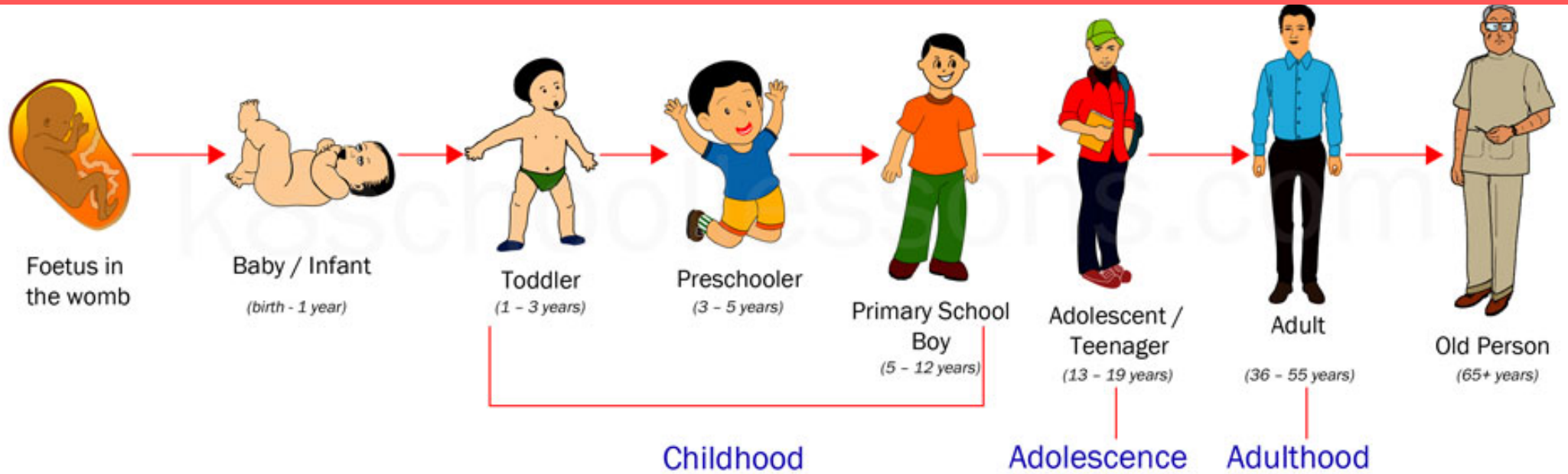
rapid-A rapid change is one that happens very quickly

reproduction- when an animal or plant produces one or more individuals similar to itself

toddler- a young child who has only just learned to walk vertebrate a creature which has a spine



THE HUMAN LIFE CYCLE



Foetus in the womb

An egg from the mother is fertilised and turns into an embryo inside the mother's womb. At first this creation looks like a bundle of cells. By about eight weeks this bundle of cells gradually turns into the shape of the human body. This is called the foetus. The foetus totally depends on its mother as it cannot breathe, drink or eat by itself.

Baby

After nine months in the mother's womb, the baby is born. Babies from birth to 1 year are also known as infants. Newborn babies can breathe, suck, swallow and cry when they feel hungry, cold and hot temperatures or any uncomfortable situation. This is how they communicate as they still cannot talk. Babies are usually fed on mother's milk.

Childhood

The baby grows into a child. It slowly learns to crawl and then walk, talk, run, jump, eat by itself, identify things in its surroundings, communicate properly, read and write, make friends and do many more childhood activities. In the stage childhood, children can be divided into; toddlers (1-3 years), preschoolers (3-5 years) and primary school children (5-12 years).

Adolescence

At the stage, adolescence, the child grows into an adolescent through a period called Puberty. Puberty usually takes place in the child's teenage years, starting from 13 years up to 19 years of age. Therefore, adolescents are also called teenagers. During the puberty a rapid growth and changes of the body take place. These include changes of the body shape, growing hair on some parts of the body, for example, boys grow hair on their faces, and also, boys' voice becomes deepen and rough. Similarly, at this stage the behaviour patterns and attitudes of the teenagers will change as they are independent in doing their day-to-day activities.

Adulthood

People who are from age 20 years to 65 years old are called adults. Adults can reproduce, make their own families and so continue the life cycle. Adults can be divided into; young adults (20 - 36 years), middle-aged adults (36 - 55 years) and older adults (55 - 65 years).

Old Person

When a person reaches 65 years of age, he is known as an old or elderly person. The average life expectancy of a person can vary. But it totally depends on the health of each person, The human life cycle ends at this stage.

