

Year 5 Animals including humans (Biology)



Prior and future learning

| Prior Knowledge | What's next? |
|--|---|
| <ul style="list-style-type: none"> I can describe the simple functions of the basic parts of the digestive system in humans. I can identify the different types of teeth in humans and their simple functions. I can construct and interpret a variety of food chains, identifying producers, predators and prey. | <ul style="list-style-type: none"> I can identify, name and draw the main parts of the human circulatory system. I can describe the functions of the heart, blood vessels and blood. I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. I can describe the ways in which nutrients and water are transported within animals, including humans. I can identify some conditions that are caused by deficiencies in our diet e.g. lack of vitamin C causes scurvy. |

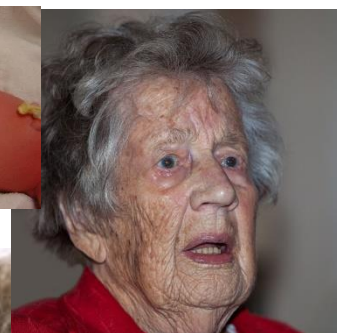
Track your learning

| How I will show what I learned | | | |
|--|--|--|--|
| I can describe the changes as humans develop to old age. | | | |
| I understand that all living things have lifecycles. | | | |
| I can explain how a baby changes physically as it grows, and also what it is able to do. | | | |
| I can explain the changes that takes place in boys and girls during puberty | | | |

Key knowledge I need to understand

- When babies are young, they grow rapidly. They are very dependent on their parents. As they develop, they learn many skills.
- At puberty, a child's body changes and develops primary and secondary sexual characteristics. This enables the adult to reproduce.
- Hormones control these changes, which can be physical and/or emotional.

This needs to be taught alongside PSHE.



Credit: Bengt Nyman

Scientist: Virginia Apgar (developed the Apgar score, a system used worldwide for evaluating the physical condition of newborns at birth) or Dr Steve Jones (Geneticist)

Possible texts to read:
 You're Only Old Once! – *Dr Seuss*
 Hair in Funny Places – *Babette Cole*

Working scientifically assessment: Growth survey, nappy absorbency.

Link to maths curriculum:
 Statistics:

- Interpreting data showing weight or length of babies at different ages (time graph but involves the same skills) (*Solve comparison, sum and difference problems using information presented in a line graph*).

Key vocabulary I need to know

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|----------------------|--|
| 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- produce new life. |
| life cycle | The changes a living thing goes through including fertilisation. |
| puberty | The time when a child's body begins to develop and change as they become an adult. |
| adolescence | The period from puberty to adulthood |
| infancy | The time of babyhood or early childhood. |