



Year 2



Statutory Requirements:

- Notice that animals, including humans, have offspring which grow into adults
- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene

Working Scientifically:

- Asking simple questions and recognising that they can be answered in different ways
- Observing closely, using simple equipment
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions

Key Knowledge:

The seven characteristics of living things are:

1. Movement – most animals can move freely from place to place.
2. Respiration – the process by which animals release energy from their food; using oxygen from the air dissolved in water. Respiration takes place in all living cells.
3. Sensitivity – the ability to respond to stimuli and change behaviour as a result of this.
4. Nutrition (feeding) – animals obtain their energy by feeding on plants or other animals.
5. Excretion – animals get rid of waste materials
6. Reproduction - passing on its genetic material to a new generation of offspring.
7. Growth – is the increase in complexity and size of an animal. Animals will grow up to a particular age before new cell growth starts to replace old cells.

Key Vocabulary:

- Classification - birds, fish, amphibians, reptiles, mammals and invertebrates
- Classification - carnivores, herbivores, omnivores
- Stages of growth of many insects – egg, larva, pupa, adult
- Names of some invertebrates – ladybirds, butterflies, dragonflies, etc
- Names of some amphibians – smooth newt, common frog, toad
- Stages of life – baby, toddler, child, teenager, adult,
- Life processes – growth, nutrition (feeding), respiration (inc. breathing)
- Hygiene – clean, wash, germs
- Foods – healthy, grow, strong, energy

Key Scientists:



David Attenborough (1926 -)

English broadcaster and naturalist.