



HAWTHORN PARK COMMUNITY PRIMARY SCHOOL

Where Care and Learning Count



Headteacher: Mrs Jeni Houghton

Science Knowledge Organiser

Area: Animals including humans

Year Group: 2

Statutory guidance:

By the end of this unit pupils will be able to:

- 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

Notes and guidance (non-statutory)

Pupils should be introduced to the basic needs of animals for survival, as well as the importance of exercise and nutrition for humans. They should also be introduced to the processes of reproduction and growth in animals.

The focus at this stage should be on questions that help pupils to recognise growth; they should not be expected to understand how reproduction occurs.

The following examples might be used: egg, chick, chicken; egg, caterpillar, pupa, butterfly; spawn, tadpole, frog; lamb, sheep. Growing into adults can include reference to baby, toddler, child, teenager, adult.

Pupils might work scientifically by: observing, through video or first-hand observation and measurement, how different animals, including humans, grow; asking questions about what things animals need for survival and what humans need to stay healthy; and suggesting ways to find answers to their questions.

Key Vocabulary

1. adult	A fully grown animal (or plant).
2. develop	To grow and become stronger.
3. life cycle	The changes living things go through to become an adult.
4. offspring	The child of an animal.
5. reproduce	When living things make a new living thing of the same kind.
6. young	Offspring that has not reached adulthood.
7. live young	Offspring that has not hatched from an egg.
8. dehydrate	To lose water (dry out).
9. diet	The food and water that an animal needs.
10. disease	Illness or sickness.
11. energy	The power needed to carry out a task.
12. exercise	A physical activity to keep your body fit.
13. germs	Bugs that cause disease and illness.
14. heart rate	The number of times a heart beats in one minute.
15. hygiene	How clean something is so that we can stay healthy and stop disease and illness spreading.
16. nutrition	Food needed to live.
17. pulse	The beating of the heart that can be felt in your neck and wrist.

Key Assessment Questions

Can they describe what animals need to survive? Can they explain that animals grow and reproduce?

Can they explain why animals have offspring which grow into adults?

Can they describe the life cycle of some living things? (e.g. egg, chick, chicken)

Can they explain the basic needs of animals, including humans for survival? (water, food, air)

Can they describe why exercise, balanced diet and hygiene are important for humans?

Can they suggest how to find things out?

Can they use prompts to find things out?

Can they find information out using secondary sources of information?

Greater Depth:

Can they explain that animals reproduce in different ways?



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