



## The Canons CE Primary School



### Year 2 – Animals, Including Humans

| Prior Learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | In Year 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Future Learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| In Year 1 children will be taught to: <ul style="list-style-type: none"><li>describe parts of the human body</li><li>know which parts of the human body are associated with each sense</li><li>identify and name the basic parts of the human body</li><li>recognise herbivores, carnivores and omnivores from the animals that they know</li><li>describe the terms herbivore, omnivore and carnivore</li><li>recognise, and describe, animals in their local environment</li><li>describe the similarities and differences between fish, amphibians, reptiles, birds and mammals</li><li>name certain fish, amphibians, reptiles, birds and mammals.</li></ul> | In Year 2 children will be taught to: <ul style="list-style-type: none"><li>recognise why hygiene is important and what they must do to be hygienic</li><li>describe what should be included in a human's balanced diet</li><li>describe the importance of exercise for humans</li><li>describe the basic needs of animals, including humans, for survival</li><li>identify what the basic needs are for animals, including humans, for survival</li><li>identify that animals have offspring which grow into adults.</li></ul> | In Year 3 children will be taught to: <ul style="list-style-type: none"><li>research and design their own balanced diet using different food groups</li><li>describe why animals need the right type and amount of nutrition</li><li>identify that animals, including humans, get their nutrition from what they eat.</li></ul><br>In Year 5 children will be taught to: <ul style="list-style-type: none"><li>compare the life cycles of plants in their local environment to different habitats around the world (such as the rainforest or in the Arctic)</li><li>identify the processes of sexual reproduction in animals</li></ul> describe the similarities and differences between the life cycles of different animals to include mammals, amphibians, insects and birds. <i>(Living things and their habitats)</i><br><br>In Year 6 children will be taught to: <ul style="list-style-type: none"><li>describe how to keep their body healthy</li><li>recognise the impact of drugs, alcohol and smoking on the human body</li><li>recognise the impact of an unhealthy diet</li><li>describe how water and nutrients are transported around the body.</li></ul> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Key Vocabulary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta)                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Famous Scientists                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Common Misconceptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Possible Evidence to be Secure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>Florence Nightingale - pioneer of modern nursing in GB</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Some children may think: <ul style="list-style-type: none"><li>an animal's habitat is like its 'home'</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                 | Children can:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



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| <ul style="list-style-type: none"><li>• Elizabeth Garrett Anderson - first British female physician and surgeon</li><li>• Steve Irwin -wildlife expert</li><li>• Robert Winston - human scientist</li></ul> | <ul style="list-style-type: none"><li>• all animals that live in the sea are fish</li><li>• respiration is breathing</li><li>• breathing is respiration.</li></ul> | <ul style="list-style-type: none"><li>• describe how animals, including humans, have offspring which grow into adults, using the appropriate names for the stages</li><li>• state the basic needs of animals, including humans, for survival</li><li>• state the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</li><li>• name foods in each section of the Eatwell Guide.</li></ul> |
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### Working Scientifically

#### National Curriculum Statutory Requirements

1. Ask simple questions and recognise that they can be answered in different ways.
2. Observe closely, using simple equipment.
3. Perform simple tests.
4. Identify and classify.
5. Use their observations and ideas to suggest answers to questions.
6. Gather and record data to help in answering questions.

Highlighted = main focus during this topic

### Teaching Ideas – Different Types of Scientific Enquiry

| Comparative and Fair Testing                                                               | Identifying and Classifying              | Observation Over Time                                                                  | Pattern Seeking                                                 | Research                                                                                                                           |
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| Do amphibians have more in common with reptiles or fish?<br>Do bananas make us run faster? | Which offspring belongs to which animal? | How does a tadpole change over time?<br>How much food and drink do I have over a week? | Which age group of children wash their hands the most in a day? | What do you need to do to look after a pet dog/cat/lizard and keep it healthy?<br>What food do you need in a healthy diet and why? |

#### Teaching Ideas – How Pupils Could Work Scientifically

#### Teaching Ideas – Possible Evidence to be Secure

(Bracketed Number = National Curriculum Statutory Requirement Link)

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| <ul style="list-style-type: none"> <li>Ask people questions and use secondary sources to find out about the life cycles of some animals. (1)</li> <li>Observe animals growing over a period of time e.g. chicks, caterpillars, a baby. (2)</li> <li>Ask questions of a parent about how they look after their baby. (1)</li> <li>Ask pet owners questions about how they look after their pet. (1)</li> <li>Explore the effect of exercise on their bodies. (3, 6)</li> <li>Classify food in a range of ways, including using the Eatwell Guide. (4)</li> <li>Investigate washing hands, using glitter gel. (3, 5)</li> </ul> | <p>Children can:</p> <ul style="list-style-type: none"> <li>describe, including using diagrams, the life cycle of some animals, including humans, and their growth to adults e.g. by creating a life cycle book for a younger child (5, 6)</li> <li>measure/observe how animals, including humans, grow (2, 5)</li> <li>show what they know about looking after a baby/animal by creating a parenting/pet owners' guide (5)</li> <li>explain how development and health might be affected by differing conditions and needs being met/not met. (5)</li> </ul> |
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