



ANIMALS INCLUDING HUMANS (BIOLOGY)

National Curriculum Statements in red are from other linked topics.

Progression in Scientific knowledge, concepts & skills	EYFS (Early Learning Goals)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	KS3
<p><u>Concepts</u> Function Changes Growth Energy</p>	<p>Children know about similarities and differences in relation to places, objects, materials and living things.</p> <p>They talk about features of their own immediate environment and how environments might vary from one another.</p> <p>They make observations of animals and plants</p>	<p>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</p> <p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</p> <p>Describe and compare the structure of a variety of</p>	<p>Notice that animals, including humans, have offspring which grow into adults.</p> <p>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</p> <p>Describe the importance for humans of exercise, eating the right amount of different</p>	<p>Identify that animals, including humans, need the right types and amounts of nutrition, and that they cannot make their own food; they get nutrition from what they eat.</p> <p>Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</p>	<p>Describe the simple functions of the basic parts of the digestive system in humans.</p> <p>Identify the different types of teeth in humans and their simple functions.</p> <p>Construct and interpret a variety of food chains, identifying producers, predators and prey.</p>	<p>Describe the changes as humans develop to old age.</p> <p style="color: red;">Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. (Y5 - Living things and their habitats)</p> <p style="color: red;">Describe the life process of reproduction in some plants and animals. (Y5 - Living things and their habitats)</p>	<p>Identify and name the main parts of the human circulatory system and describe the functions of the heart, blood vessels and blood.</p> <p>Recognise the impact of diet, exercise and drugs and lifestyle on the way the bodies function.</p> <p>Describe the ways in which nutrients and water are transported within animals,</p>	<p>Reproduction in humans including the structure and function of the male and female reproductive systems, menstrual cycle, fertilisation, gestation and birth.</p> <p>The consequences of imbalance in the diet including obesity, starvation and deficiency diseases.</p> <p>The effects of recreational</p>

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	<p>and explain why some things occur and talk about changes.</p>	<p>common animals (fish, amphibians, reptiles, birds and mammals, including pets).</p> <p>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</p>	<p>types of food and hygiene.</p> <p>Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food. (Y2 - Living things and their habitats)</p>				<p>including humans.</p> <p>Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals. (Y6 - Living things and their habitats) .</p> <p>Give reasons for classifying plants and animals based on specific characteristics. (Y6 -</p>	<p>drugs</p> <p>The structure and functions of the gas exchange system in humans.</p> <p>The mechanism of breathing to move air in and out of the lungs.</p> <p>The impact of exercise, asthma and smoking on the human gas exchange System.</p>
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