



## Progression of knowledge science – Understand Animals and Humans (Biology)

<b>Threshold Concepts</b> <i>This concept involves becoming familiar with different types of animals, humans and the life processes they share</i>	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b>KS1</b></p> <ul style="list-style-type: none"> <li>Identify and name a variety of common animals that are birds, fish, amphibians, reptiles, mammals and invertebrates.</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</li> <li>Describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles, mammals and invertebrates, including pets).</li> <li>Identify name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</li> <li>Notice that animals, including humans, have offspring which grow into adults.</li> <li>Investigate and describe the basic needs of animals, including humans, for survival (water, food and air).</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.</li> </ul> <p><b>LKS2</b></p> <ul style="list-style-type: none"> <li>Identify that animals, including humans, need the right types and amounts of nutrition, that they cannot</li> </ul>	<ul style="list-style-type: none"> <li>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> <li>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)</li> </ul>	<ul style="list-style-type: none"> <li>Notice that animals, including humans, have offspring which grow into adults</li> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</li> </ul>	<ul style="list-style-type: none"> <li>Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat</li> <li>Identify that humans and some other animals have skeletons and muscles for support, protection and movement</li> </ul>	<ul style="list-style-type: none"> <li>Describe the simple functions of the basic parts of the digestive system in humans</li> <li>Identify the different types of teeth in humans and their simple functions</li> <li>Construct and interpret a variety of food chains, identifying producers, predators and prey</li> </ul>	<ul style="list-style-type: none"> <li>Describe the changes as humans develop to old age</li> <li>Describe the key stages in the growth and development of humans.</li> <li>Recall some of the changes experienced in puberty.</li> <li>Investigate the gestation periods of other animals in comparison to humans including the length and mass</li> </ul>	<ul style="list-style-type: none"> <li>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</li> <li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</li> <li>Describe the ways in which nutrients and water are transported within animals, including humans</li> </ul>



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<p>make their own food and they get nutrition from what they eat.</p> <ul style="list-style-type: none"><li>• Construct and interpret a variety of food chains, identifying producers, predators and prey.</li><li>• Identify that humans and some animals have skeletons and muscles for support, protection and movement.</li><li>• Describe the simple functions of the basic parts of the digestive system in humans.</li><li>• Identify the different types of teeth in humans and their simple functions.</li></ul> <p><b>UKS2</b></p> <ul style="list-style-type: none"><li>• Describe the changes as humans develop to old age.</li><li>• Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li><li>• Recognise the importance of diet, exercise, drugs and lifestyle on the way the human body functions.</li><li>• Describe the ways in which nutrients and water are transported within animals, including humans.</li></ul>	<ul style="list-style-type: none"><li>• Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense</li></ul>					
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Progression of skills to KS3 are detailed on animal and humans / trust science sheets

Links from Reception Development Matters are detailed on the Reception Termly Planning Document