



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

Threshold Concepts <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>KS1</p> <ul style="list-style-type: none"> Identify and name a variety of common animals that are birds, fish, amphibians, reptiles, mammals and invertebrates. Identify and name a variety of common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles, mammals and invertebrates, including pets). Identify name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. Notice that animals, including humans, have offspring which grow into adults. Investigate 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. <p>LKS2</p> <ul style="list-style-type: none"> Identify that animals, including humans, need the right types and amounts of nutrition, that they cannot 	<ul style="list-style-type: none"> Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets) 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 Identify that humans and some other animals have skeletons and muscles for support, protection and movement 	<ul style="list-style-type: none"> Describe the simple functions of the basic parts of the digestive system in humans Identify the different types of teeth in humans and their simple functions Construct and interpret a variety of food chains, identifying producers, predators and prey 	<ul style="list-style-type: none"> Describe the changes as humans develop to old age Describe the key stages in the growth and development of humans. Recall some of the changes experienced in puberty. Investigate the gestation periods of other animals in comparison to humans including the length and mass 	<ul style="list-style-type: none"> Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function Describe the ways in which nutrients and water are transported within animals, including humans



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