

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

Threshold Concepts This concept involves becoming familiar with different types of	Year 1	Year 2	Year 3	Year 4		Year 5		Year 6	
animals, humans and the life processes they									
share									
KS1	 Identify and 	Notice that	 Identify that 	•	Describe the	•	Describe the	•	Identify and
 Identify and name a variety of 	name a variety	animals, including	animals, including		simple		changes as		name the main
common animals that are birds, fish,	of common	humans, have	humans, need the		functions of		humans		parts of the
amphibians, reptiles, mammals and	animals	offspring which	right types and		the basic parts		develop to old		human
invertebrates.	including fish,	grow into adults	amount of		of the digestive		age		circulatory
 Identify and name a variety of 	amphibians,		nutrition, and that		system in				system, and
common animals that are carnivores,	reptiles, birds	Find out about	they cannot make		humans	•	Describe the		describe the
herbivores and omnivores.	and mammals	and describe the	their own food;				key stages in		functions of the
Describe and compare the structure		basic needs of	they get nutrition	•	Identify the		the growth and		heart, blood
of a variety of common animals (birds,	 Identify and 	animals, including	from what they eat		different types		development of		vessels and
fish, amphibians, reptiles, mammals and	name a variety	humans, for			of teeth in		humans.		blood
invertebrates, including pets).	of common	survival (water,	 Identify that 		humans and				
 Identify name, draw and label the 	animals that	food and air)	humans and some		their simple			•	Recognise the
basic parts of the human body and say	are carnivores,		other animals have		functions	•	Recall some of		impact of diet,
which part of the body is associated	herbivores and	Describe the	skeletons and				the changes		exercise, drugs
with each sense.	omnivores	importance for	muscles for	•	Construct and		experienced in		and lifestyle on
 Notice that animals, including 		humans of exercise,	support, protection		interpret a		puberty.		the way their
humans, have offspring which grow into	 Describe and 	eating the right	and movement		variety of food				bodies function
adults.	compare the	amounts of			chains,	•	Investigate the		
Investigate and describe the basic	structure of a	different types of			identifying		gestation		
needs of animals, including humans, for	variety of	food, and hygiene			producers,		periods of other	•	Describe the
survival (water, food and air).	common				predators and		animals in		ways in which
Describe the importance for humans	animals (fish,				prey		comparison to		nutrients and
of exercise, eating the right amounts of	amphibians,						humans		water are
different types of food and hygiene.	reptiles, birds						including the		transported
LKS2	and mammals						length and		within animals,
Identify that animals, including	including pets)						mass		including
humans, need the right types and									humans
amounts of nutrition, that they cannot									



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make their own food and they get	• Identify,			
nutrition from what they eat.	name, draw			
 Construct and interpret a variety of 	and label the			
food chains, identifying producers,	basic parts of			
predators and prey.	the human			
 Identify that humans and some 	body and say			
animals have skeletons and muscles for	which part of			
support, protection and movement.	the body is			
• Describe the simple functions of the	associated with			
basic parts of the digestive system in	each sense			
humans.				
• Identify the different types of teeth in				
humans and their simple functions.				
UKS2				
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.				

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