

Animals, including humans substantive knowledge end points

	Scientist	National Curriculum	End points	Vocab	Jobs
EYFS How can I stay healthy?	Joe Wicks (Fitness instructor) British Male	Natural world	Identify parts of their body (face, eyes, mouth, nose, ears, arms, legs, hands, body) Humans need to eat a variety of foods to stay healthy. Some living things need to be cared for Exercise keeps us healthy Humans and animals grow and can change	Animals, humans, face, arms, legs	Fitness instructor Animal conservationist Zoo keeper Doctor Nurse Pharmacist Zoologist Dentist Nutritionist
Year 1 Are all animals the same?	Chris Packham (Animal Conservationist) British male, diagnosed with Aspergers	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	Identify parts of their own body (face, eyes, mouth, nose, ears, arms, legs, hands, stomach, fingers, toes, knees, elbows, shoulders, teeth, neck) There are many different animals with different characteristics. Animals have senses to help individuals survive. Animals need food to survive. Animals eat different foods. Animals need a variety of food to help them grow, repair their bodies, be active and stay healthy	carnivores, herbivores, omnivores	Surgeon Vet

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<p>Year 2 Do living things change or stay the same?</p>	<p>Steve Irwin (Crocodile Hunter)</p> <p>Australian Male</p>	<p>Know that animals, including humans, have offspring which grow into adults</p> <p>Know the basic stages in a life cycle for animals, including humans.</p> <p>Find out 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>	<p>Animals move in order to survive.</p> <p>Different animals move in different ways to help them survive.</p> <p>Exercise keeps animal's bodies in good condition and increases survival chances.</p> <p>All animals eventually die.</p> <p>Animals reproduce new animals when they reach maturity.</p> <p>Animals grow until maturity and then do not grow any larger</p>	<p>Survive Nutrition Offspring Reproduce</p>	
<p>Year 3 Why do animals have skeletons? What is a healthy diet and why is it important?</p>	<p>Marie Curie (Radiation / X-Rays)</p> <p>Polish/French Female</p>	<p>Identify that animals, including humans, need the right types and amount of nutrition, and they cannot make their own food; they get their nutrition from what they eat.</p> <p>Know how nutrients, water and oxygen are transported within animals and humans.</p> <p>Know about the importance of a nutritious, balanced diet.</p> <p>Identify that humans and some other animals have skeletons and muscles for</p>	<p>Different animals are adapted to eat different foods.</p> <p>Many animals have skeletons to support their bodies and protect vital organs.</p> <p>Muscles are connected to bones and move them when they contract.</p> <p>Movable joints connect bones.</p>	<p>Nutrition, skeleton, bones, joints, Endoskeleton Exoskeleton</p>	

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		support, protection and movement:			
Year 4 What do our bodies do with the food we eat?	Joseph Lister (Discovered Antiseptics) British Male	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	Animals have teeth to help them eat. Different types of teeth do different jobs. Food is broken down by the teeth and further in the stomach and intestines where nutrients go into the blood. The blood takes nutrients around the body. Nutrients produced by plants move to primary consumers then to secondary consumers through food chains.	Herbivore, carnivore, omnivore digestive system, canine, incisor, molar, premolar,	
Year 5 Why and how does the human body change over time?	Dr Steve Jones (Geneticist) British male	Describe the changes as humans develop to old age	Different animals mature at different rates and live to different ages. Puberty is something we all go through, a process which prepares our bodies for being adults, and reproduction Hormones control these changes, which can be physical and/or emotional.	Gestation, Development, Puberty, Hormone, Physical, Emotional,	
Year 6 How do our choices affect how our bodies work? Why does my heart beat?	Sir Richard Doll (Linking Smoking and Health Problems) British male linked to safeguarding	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	The heart pumps blood around the body. Oxygen is breathed into the lungs where it is absorbed by the blood. Muscles need oxygen to release energy from food to do work. (Oxygen is taken into the blood in the lungs; the heart pumps the blood through blood vessels to the muscles; the muscles take oxygen and nutrients from the blood.)	Circulatory system, heart, lungs, blood vessels, blood, digestive, nutrients	

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