

Year 3 Progression map – Animals Including Humans:

National curriculum objectives:	Scope:	Coherence:
<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 <p>Misconceptions:</p> <ul style="list-style-type: none"> • that plants ‘eat’ • that carnivores eat ‘only’ meat • that all fats are ‘bad’ • that we have ‘metals’ inside our bodies in the form of minerals • that hibernating animals are asleep • that insects are not herbivores • that bones are dead • that blood cells are made in the blood or heart rather than bone • that many different types of animals have horns made from bone • most animals are invertebrates • that only mammals have muscles 	<p>HEP science lesson titles:</p> <ol style="list-style-type: none"> 1. Know how living things get energy 2. The different nutrients we need to eat 3. The food requirements for a range of animals 4. The bones in the body 5. The structure and function of bones in other animals 6. How animals move using muscles <p>Disciplinary knowledge:</p> <ul style="list-style-type: none"> • Predict, observe, comparative test and evaluate vitamin C experiment • Predict, observe chicken bone experiment • Observe animal skeleton cookie • Modelling muscles and bones <p>Key scientists and inventors: Dr Stephen Hawking</p>	<p>Key vocabulary: carbohydrates, fats, protein, vitamins, minerals, fibre, obesity, starvation, collagen, exoskeleton, biceps, contract, muscle, tendon, triceps</p> <p>English: Comprehension, root words, explaining models</p> <p>Maths: interpreting charts, proportions and calculating amounts from food labels, sequencing (food chains)</p> <p>DT Food – making an animal skeleton cookie, construct an arm muscle (levers/ biomechanics)</p>

Builds on:	Future learning:	Further reading:
<p>Year 2: Find out and describe the basic needs of animals for survival, describe the importance of exercise, eating the right amounts of different types of food for humans, feeding relationships.</p> <p>Year 3: simple functions of the digestive system, feeding relationships</p>	<p>Year 6: Structure and function of circulatory system, impact of diet and exercise lifestyle on body function, nutrients and transport around the body</p>	<p><u>Why do we eat? (Usborne Beginners)</u></p> <p>Stephanie Turnbull</p> <p><u>Bones and Muscles (Your Body: Inside and Out)</u></p> <p>Angela Royston</p>