



Progression of skills- KS2 Biology

Skills Progression: Science Key Stage 2	Year 3	Year 4	Year 5	Year 6	End of Key Stage Expectations
<p>Area Animals including humans</p>	<p>Identify that animals, including humans, need the right types and amount of nutrition.</p> <p>Identify that animals, including humans cannot make their own food.</p> <p>Identify that animals, including humans, get nutrition from what they eat.</p> <p>Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</p>	<p>Describe the simple functions of the basic parts of the digestive systems in humans.</p> <p>Identify the different types of teeth in humans and their simple functions.</p> <p>Construct and interpret a variety of food chains, identifying producers, predators and prey.</p>	<p>Describe the changes as humans develop to old age. Including changes experienced in puberty.</p>	<p>Identify and name the main parts of the human circulatory system, and explain the functions of the heart, blood vessels and blood.</p> <p>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</p> <p>Describe the ways in which nutrients and water are transported within animals, including humans.</p>	<p>The pupil can: Name and describe the functions of the main parts of the digestive [(year 4), musculoskeletal [(year 3)] and circulatory systems [(year 6)]; and describe and compare different reproductive processes and life cycles in animals [(year 5).</p> <p>Describe the effects of diet, exercise, drugs and lifestyle on how the body functions [(year 6)</p>
<p>Area 2 Living Things and their habitats</p>		<p>Recognise that living things can be grouped in a number of ways.</p> <p>Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.</p> <p>Recognise that environments can change and that this can</p>	<p>Describe the difference in the life cycles of a mammal, an amphibian, an insect and a bird.</p> <p>Describe the process of reproduction in some plants and animals.</p>	<p>Describe how living things are classified into broad group according to common observable characteristics and based on similarities and differences, including micro - organisms, plants and animals.</p> <p>Give reasons for classifying plants and animals based on specific characteristics.</p>	<p>Use the observable features of plants, animals and micro-organisms to group, classify and identify them into broad groups, using keys or other methods [(year 6)]</p> <p>Construct and interpret food chains [(year 4)</p>



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		sometimes pose dangers to living things.			
Area 3 Plants	<p>Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.</p> <p>Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.</p> <p>Investigate the way in which water is transported within plants.</p> <p>Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</p>				<p>Name, locate and describe the functions of the main parts of plants, including those involved in reproduction ([year 5] and transporting water and nutrients ([year 3])</p> <p>describe the requirements of plants for life and growth ([year 3] and explain how environmental changes may have an impact on living things [(year 4)]</p>
Area 4 Evolution and Inheritance				<p>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</p> <p>Recognise that living things produce offspring of the same kind, but normally offspring vary and</p>	<p>Use the basic ideas of inheritance, variation and adaptation to describe how living things have changed over time and evolved ([year 6] and describe how fossils are formed ([year 3]) and provide evidence for evolution ([year 6])</p>



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				<p>are not identical to their parents.</p> <p>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</p>	
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