

ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN



TOPIC TITLE: Science - Living things and their habitats

YEAR GROUP 5

TERM Summer 1

<p><b>Vocabulary</b></p> <p>Habitat, Mammal, Life cycle, Bird, Reproduction, Insect, Plant, Sexual, Animal, Asexual, Similarity, Gamete, Difference, Male, Amphibian, Female</p>	<p><b>Skills</b></p> <p><u>Enquiry and working scientifically skills (UKS2)</u></p> <ul style="list-style-type: none"> <li>• <b>plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary</b></li> <li>• take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</li> <li>• <b>record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</b></li> <li>• <b>use test results to make predictions to set up further comparative and fair tests</b></li> <li>• report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations</li> <li>• identify scientific evidence that has been used to support or refute ideas or arguments.</li> </ul>	<p><b>What we already know</b></p> <p><u>KS1 knowledge</u></p> <ul style="list-style-type: none"> <li>• Y2/A1 – Life cycle of bees, basic needs of animals – water, food and air</li> </ul> <p><u>KS2 knowledge</u></p> <ul style="list-style-type: none"> <li>• Y3/Su – Parts of the plant and their basic function (e.g. stem is for water transport)</li> <li>• Y4/Su1 – Describe the function of organs in the digestive system, different animals have different diets so therefore have different types of teeth (differences between humans/animals)</li> </ul>
<p><b>Application/ Outcomes</b></p> <ul style="list-style-type: none"> <li>• Discover differences between sexual and asexual reproduction</li> <li>• Produce detailed diagrams which compare and describe the differences and between life cycles of mammals, amphibians, insects and birds</li> <li>• Sequence steps of pollination in plants – cartoon strip</li> <li>• Explanation of how different parts of a plant have a different function</li> <li>• Labelled plant diagrams following dissection of a flower</li> <li>• Nature walks for habitats – using school grounds of local environment</li> <li>• Collecting plant samples</li> </ul>		<p><b>Concepts</b></p> <ul style="list-style-type: none"> <li>• Plants, like humans and animals have different parts which have different functions needed to be healthy</li> <li>• A life cycle is a process which involves the ‘life, death and reproduction’ of a species – this might be human, animal, bird, amphibian, insect, bird or plant.</li> </ul>
<p><b>Cross Curricular Links</b></p> <p>Outdoor Learning/Eco – collecting plant samples to look at structure RE – Plant a sunflower</p>	<p><b>SEND Adaptations</b></p> <p>Word banks, image mats, differentiated worksheets, adult support</p>	