

Heron Class – Year 5 and Year 6

	Aut A	Aut B	Spring A	Spring B	Sum A	Sum B
Science	<p>Do all animals and plants start life as an egg?</p> <p>National Curriculum: KS2 Science</p> <p>Y5 Living things and their habitats Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</p> <p>Describe the life process of reproduction in some plants and animals.</p>	<p>How different will you be when you are as old as your grandparents?</p> <p>National Curriculum: KS2 Science:</p> <p>Y5 Animals including humans Describe the changes as humans develop to old age.</p>	<p>Could you be the next CSI investigator?</p> <p>National Curriculum: KS2 Science</p> <p>Y5 Properties and changes of materials Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets</p> <p>Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</p> <p>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</p> <p>Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</p> <p>Demonstrate that dissolving, mixing and changes of state are reversible changes</p> <p>Explain that some changes result in the formation of new materials, and that this kind of change is not</p>	<p>What would a journey through your body look like?</p> <p>National Curriculum: KS2 Science</p> <p>Y6 Animals, including humans Identify and name the main parts of the human circulatory system, and describe 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>Can you feel the force?</p> <p>National Curriculum: KS2 Science</p> <p>Y5 Forces Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces</p> <p>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p>

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			usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda		
<p>Y5 Properties and changes of Materials – covered in Durban and Heron</p> <p>Y5: Earth and Space – covered in Durban</p> <p>Y6: Plants Light Forces and magnets Rocks AI covered in Oak</p>					