

Durban Class – Year 4 and Year 5

	Aut A	Aut B	Spring A	Spring B	Sum A	Sum B
Science	<p><b>What happens to the food we eat?</b></p> <p><b>National Curriculum: KS2 Science</b></p> <p><b>Y4 Animals, including humans</b></p> <p>Describe the simple functions of the basic parts of the digestive system 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><b>How would we survive without water?</b></p> <p><b>National Curriculum: KS2 Science:</b></p> <p><b>Y4 States of matter</b> Compare and group materials together, according to whether they are solids, liquids or gases</p> <p>Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)</p> <p>Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</p>	<p><b>Journey through Europe Y4 (Prospectus Curriculum) - Science - Forces</b></p> <p><b>National Curriculum: KS2 Science</b></p> <p><b>Y5 Forces</b> 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>	<p><b>Will we ever send another human to the moon?</b></p> <p><b>National Curriculum: KS2 Science</b></p> <p><b>Y5 Earth and Space</b> Describe the movement of the Earth, and other planets, relative to the Sun in the solar system</p> <p>Describe the movement of the Moon relative to the Earth</p> <p>Describe the Sun, Earth and Moon as approximately spherical bodies</p> <p>Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</p>	<p><b>Properties and Changes of Materials</b></p> <p><b>National Curriculum: KS2 Science</b></p> <p><b>Y5 Properties and Changes of Materials</b> 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>	As Summer A??

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					usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda	
<p>What happens to the food we eat? Y4 Animals, including humans - covered in Twist, Devon and Durban Y5 Properties and changes of Materials – covered in both Durban and Heron</p> <p>Y4: Living things and their habitats – covered in Devon Electricity – covered in Devon Sound – covered in Devon</p> <p>Y5: Living things and their habitats – covered in Heron Animals, including humans – covered in Heron</p>						