

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