



Curriculum Plan Science year 8
2016

Autumn Term	Spring Term	Summer Term
<p><u>B2.1 - Health & Lifestyle</u></p> <p>1.1 Nutrients 1.2 Food tests 1.3 Unhealthy diet 1.4 Digestive system 1.5 Bacteria & enzymes in digestion 1.6 Drugs 1.7 Alcohol 1.8 Smoking</p> <p style="color: red;">Interpret and draw graphs</p> <p><u>C2.2-Separation techniques & the rock cycle</u></p> <p>2.1 Mixtures 2.2 Solutions 2.3 Solubility</p>	<p><u>B2.2 - Ecosystem processes</u></p> <p>2.1 Photosynthesis 2.2 Leaves 2.3 Plant minerals 2.4 Chemosynthesis 2.5 Aerobic respiration 2.6 Anaerobic respiration 2.7 Food chains & webs 2.8 Disruption to food chains & webs 2.9 Ecosystems 2.10 The carbon cycle 2.11 Climate change & recycling</p> <p style="color: red;">Analysing data patterns</p> <p><u>C2.1 - The periodic table</u></p> <p>1.1 Metals & non-metals 1.2 Groups & periods</p>	<p><u>B2.3 - Adaptation & Inheritance</u></p> <p>3.1 Competition & adaptation 3.2 Adapting to change 3.3 Variation 3.4 Continuous & discontinuous 3.5 Inheritance 3.6 Natural selection 3.7 Extinction</p> <p style="color: red;">Exam technique</p> <p><u>C2.3 - Metals & Acids</u></p> <p>3.1 Acids & metals 3.2 Metals & oxygen 3.3 Metals & water 3.4 Metal displacement reactions</p>
<p>HALF TERM</p>		

Bishop Milner Catholic College



<p>2.4 Filtration</p> <p>2.5 Evaporation & distillation</p> <p>2.6 Chromatography</p> <p>2.7 The Earth & its atmosphere</p> <p>2.8 Sedimentary, Igneous, & metamorphic rocks</p> <p>2.9 The rock cycle</p> <p style="text-align: center; color: red;">Name and uses of equipment</p> <p><u>P2.3 - Motion & Pressure</u></p> <p>3.1 Speed</p> <p>3.2 Motion graphs</p> <p>3.3 Pressure in gases</p> <p>3.4 Pressure in liquids</p> <p>3.5 Pressure in solids</p> <p>3.6 Turning forces</p> <p style="text-align: center; color: red;">Calculations</p>	<p><u>B2.2 - Ecosystem processes</u></p> <p>2.12 Photosynthesis</p> <p>2.13 Leaves</p> <p>2.14 Plant minerals</p> <p>2.15 Chemosynthesis</p> <p>2.16 Aerobic respiration</p> <p>2.17 Anaerobic respiration</p> <p>2.18 Food chains & webs</p> <p>2.19 Disruption to food chains & webs</p> <p>2.20 Ecosystems</p> <p>2.21 The carbon cycle</p> <p>2.22 Climate change & recycling</p> <p style="text-align: center; color: red;">Analysing data patterns</p> <p><u>C2.1 - The periodic table</u></p> <p>1.3 Metals & non-metals</p> <p>1.4 Groups & periods</p>	<p>3.5 Extracting metals</p> <p>3.6 Ceramics</p> <p>3.7 Polymers</p> <p>3.8 Composites</p> <p style="text-align: center; color: red;">Rearranging equations</p> <p><u>P2.1 - Electricity & Magnetism</u></p> <p>1.1 Charging up</p> <p>1.2 Circuits & current</p> <p>1.3 Potential difference</p> <p>1.4 Series & Parallel</p> <p>1.5 Resistance</p> <p>1.6 Magnets & magnetic fields</p> <p>1.7 Electromagnets</p> <p>1.8 Using electromagnets</p> <p style="text-align: center; color: red;">Units & conversions</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------