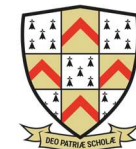


Science



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Key Stage 3 - Year 8

Term One		
Breathing	Elements	Contact Forces
<ul style="list-style-type: none">• Gas Exchange• Breathing• Drugs• Alcohol• Smoking	<ul style="list-style-type: none">• Elements• Atoms• Compounds• Chemical formulae• Polymers	<ul style="list-style-type: none">• Friction and drag• Squashing and stretching• Turning forces
Digestion	Periodic Table	Pressure
<ul style="list-style-type: none">• Nutrients• Food tests• Unhealthy diet• Digestive system• Enzymes in digestion	<ul style="list-style-type: none">• The periodic table• The elements of group 1• The elements of group 7• The elements of group 0	<ul style="list-style-type: none">• Pressure in gases• Pressure in liquids• Stress on solids

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Term Two		
Types of Reaction	Work and Energy	Respiration
<ul style="list-style-type: none"> • Atoms in chemical reactions • Combustion • Thermal decomposition • Conservation of mass 	<ul style="list-style-type: none"> • Work and energy • Energy and temperature • Energy transfers • Radiation and insulation 	<ul style="list-style-type: none"> • Aerobic respiration • Anaerobic respiration • Biotechnology
Chemical Energy	Evolution	Climate
<ul style="list-style-type: none"> • Exothermic and endothermic • Energy level diagrams • Bond energies 	<ul style="list-style-type: none"> • Natural Selection • Charles Darwin • Extinction • Preserving biodiversity 	<ul style="list-style-type: none"> • Global warming • The carbon cycle • Climate change
Electromagnets	Inheritance	Photosynthesis
<ul style="list-style-type: none"> • Magnets and magnetic fields • Electromagnets Using electromagnets 	<ul style="list-style-type: none"> • Inheritance • DNA • Genetics • Genetic modification 	<ul style="list-style-type: none"> • Photosynthesis • Leaves • Investigating Photosynthesis • Plant Materials

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Term Three		
Waves	Earth Resources	Current
<ul style="list-style-type: none">• Sound waves, water waves and energy• Radiation and energy• Modelling waves	<ul style="list-style-type: none">• Extracting metals• Recycling	<ul style="list-style-type: none">• Current• Charging up
Climate	Potential Difference & Resistance	
<ul style="list-style-type: none">• Global warming• The carbon cycle• Climate change	<ul style="list-style-type: none">• Potential difference• Resistance• Series and parallel circuits	