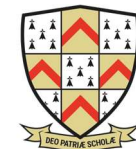


Science

Key Stage 3 - Year 7

Term One		
Introduction to Science <ul style="list-style-type: none"> • Introduction and expectations • Lab safety and Equipment • Bunsen burner licence • Boiling water • Writing a method • Representing Data • Interpreting Data • Using and Rearranging Formulas 	Speed <ul style="list-style-type: none"> • Introduction to forces • Balanced and unbalanced • Speed • Distance-time graphs 	Particle Model <ul style="list-style-type: none"> • The particle model • States of matter • Melting and freezing • Boiling • More changes of state • Diffusion • Gas Pressure • Inside particles
Movement <ul style="list-style-type: none"> • Levels of organisation • The skeleton • Movement: joints • Movement: muscles 	Cells <ul style="list-style-type: none"> • Observing cells • Plant and animal cells • Specialised cells • Movement of substances • Uni-cellular organisms 	Separating Mixtures <ul style="list-style-type: none"> • Pure substances and mixtures • Solutions • Solubility • Filtration • Evaporation and distillation • Chromatography
Gravity <ul style="list-style-type: none"> • Gravity 		

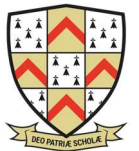
Science



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Term Two		
Variation	Metals and Non-metals	Sound
<ul style="list-style-type: none"> Variation Continuous and discontinuous Adapting to change 	<ul style="list-style-type: none"> More about elements Chemical reactions of metals and non-metals Metals and acids Metals and oxygen Metals and water Metal displacement reactions 	<ul style="list-style-type: none"> Sound waves and speed Loudness and amplitude Frequency and pitch The ear and hearing
Human Reproduction	Earth	Light
<ul style="list-style-type: none"> Adolescence Reproductive Systems Fertilisation and implantation Development of a foetus The menstrual cycle 	<ul style="list-style-type: none"> The structure of the earth Sedimentary rocks Igneous and metamorphic rocks The rock cycle Ceramics 	<ul style="list-style-type: none"> Light Reflection Refraction The eye and vision Colour
Acids and Alkalis	Universe	
<ul style="list-style-type: none"> Chemical reactions Acids and alkalis Indicators and pH Acid strength Neutralisation Making salts 	<ul style="list-style-type: none"> The night sky The solar system The Earth The Moon and changing ideas 	

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Term Three		
Earth	Plant Reproduction	Energy Transfers
<ul style="list-style-type: none"> • The structure of the earth • Sedimentary rocks • Igneous and metamorphic rocks • The rock cycle • Ceramics 	<ul style="list-style-type: none"> • Flowers and Pollination • Fertilisation and germination • Seed dispersal 	<ul style="list-style-type: none"> • Energy adds up • Energy dissipation
Interdependence	Energy Costs	
<ul style="list-style-type: none"> • Food chains and webs • Disruption to food chains and webs • Ecosystems • Competition 	<ul style="list-style-type: none"> • Food and fuels • Energy resources • Energy and power 	