



KS3 co-ordinator Ms Mirabile

Year 7

For Science to be a department of excellence, collaboration, motivation and engagement.

Every child is entitled to a good education and we are committed in ensuring all pupils make greater than expected progress across all Key Stages, by developing scientific enquiry, numeracy and literacy through practical activity and outstanding teaching.

Learning is our priority.

	Autumn 1	Autumn 2
Focus/Context for Learning	<p><u>Working scientifically</u> Investigation Skills for Science</p> <p><u>1B. Organisms</u> Movement and Cells</p>	<p><u>2P. Energy</u> Energy cost and Transfer</p> <p><u>3C. Matter</u> Particle Model and Separating Mixtures</p>
	Spring 1	Spring 2
Focus/Context for Learning	<p><u>4B. Genes</u> Variation and Human Reproduction</p> <p><u>5P. Waves</u> Sounds and Light</p>	<p><u>6C. EARTH</u> Earth structure and Universe</p>
	Summer 1	Summer 2
Focus/Context for Learning	<p><u>7B. Ecosystem</u> Interdependence and Plant Reproduction</p>	<p><u>8P. Electromagnets</u> Voltage Resistance and Current</p>



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Year 8

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	Autumn 1	Autumn 2
Focus/Context for Learning	<p><u>1P. Forces</u> Speed and gravity</p> <p><u>2C. Reactions</u> Chemical Energy and Types of Reactions</p>	<p><u>3B. Ecosystem</u> Respirations and Photosynthesis</p> <p><u>4P. Electromagnets</u> Magnetism and Electromagnetism</p>
	Spring 1	Spring 2
Focus/Context for Learning	<p><u>5C. Matter</u> Periodic Table and Elements</p>	<p><u>6B. Organism</u> Breathing and Digestion</p>
	Summer 1	Summer 2
Focus/Context for Learning	<p><u>7P. Energy</u> Work & Heating And Cooing</p>	<p><u>8C. Earth</u> Climate and Earth Resources</p>



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Year 9

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	Autumn 1	Autumn 2
Focus/Context for Learning	<p><u>1P. WAVES</u> Wave Effects and Wave Properties</p> <p><u>2B GENES</u> Evolution and inheritance</p>	<p><u>3P FORCES</u> contact forces and pressure</p> <p><u>4C REACTIONS</u> Chemical Energy and Types of Reaction</p>
	Spring 1	Spring 2
Focus/Context for Learning	<p><u>5P Particle model of matter</u></p> <p><u>6B Cells and transport</u></p>	<p><u>7B Health and disease</u></p>
	Summer 1	Summer 2
Focus/Context for Learning	<p><u>8C Chemistry of the Earth's atmosphere</u></p>	<p><u>9P ENERGY</u></p>



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	Autumn 1	Autumn 2
Focus/ Context for Learning	<p><u>Combined Science</u> 1B. Transport 2B. Digestive systems and Enzymes 3B. Bioenergetics</p> <p><u>Separate Science</u> 1B. Transport 2B. Digestive systems and Enzymes 3B. Bioenergetics</p>	<p><u>Combined Science</u> 4C(i). Atomic structure and the periodic table 4P(ii). Atomic structure and radioactive decay 5C. Bonding, structure and the properties of matter</p> <p><u>Separate Science</u> 4C(i). Atomic structure and the periodic table 4P(ii). Atomic structure and radioactive decay 5C. Bonding, structure and the properties of matter</p>
	Spring 1	Spring 2
Focus/ Context for Learning	<p><u>Combined Science</u> 6C. Chemical changes 7C. Energy changes</p> <p><u>Separate Science</u> 6C. Chemical changes 7C. Energy changes</p>	<p><u>Combined Science</u> 8C. The rate and extent of chemical change 10C. Using resources</p> <p><u>Separate Science</u> 8C. The rate and extent of chemical change 10C. Using resources</p>
	Summer 1	Summer 2
Focus/ Context for Learning	<p><u>Combined Science</u> 11P. Particle Model of Matter 12P. Electricity</p> <p><u>Separate Science</u> 11P. Particle Model of Matter 12P. Electricity</p>	<p><u>Combined Science</u> 13B. Health and disease</p> <p><u>Separate Science</u> 13B. Health and disease</p>



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	Autumn 1	Autumn 2
Focus/Context for Learning	<p><u>Combined Science</u> 1P. Waves 2B. Inheritance, variation and evolution</p> <p><u>Separate Science</u> 1P. Waves 2P. Space 2B. Inheritance, variation and evolution</p>	<p><u>Combined Science</u> 3B. Ecology</p> <p><u>Separate Science</u> 3B. Inheritance, variation and evolution 4B. Organs</p>
	Spring 1	Spring 2
Focus/Context for Learning	<p><u>Combined Science</u> 4C. Quantitative chemistry 5C. The rate and extent of chemical change</p> <p><u>Separate Science</u> 5B. Ecology 6C. Quantitative chemistry & chemical changes part 2</p>	<p><u>Combined Science</u> 6C. Chemical analysis 7C. Organic chemistry</p> <p><u>Separate Science</u> 7C. The rate and extent of chemical changes 8C. Chemical analysis</p>
	Summer 1	Summer 2
Focus/Context for Learning	<p><u>Combined Science</u> Revision and Practical skills</p> <p><u>Separate Science</u> 9C. Organic chemistry Revision and Practical skills</p>	<p><u>Combined Science</u> Revision and Practical skills</p> <p><u>Separate Science</u> Revision and Practical skills</p>