

# KS3 Maths Programme of Study (2024-2025)

Autumn 1 – ‘Equality & Diversity’					Autumn 2 – ‘Living in the Wider World’					
UNIT TITLE - Number, Algebra & Geometry					UNIT TITLE - Algebra, Fractions & Numbers					
<b>Number</b> <ul style="list-style-type: none"> <li>Directed Numbers</li> <li>Order of operations</li> </ul>	<b>Algebra</b> <ul style="list-style-type: none"> <li>Formula</li> <li>Setting up and solving equations</li> </ul>			<b>Geometry</b> <ul style="list-style-type: none"> <li>Angles</li> </ul>	<b>Number – Fractions 2</b> “Why do the denominators of fractions remain the same during some calculations and not others?”	<b>Number – Using our number system 2</b> “How are the processes of multiplication and division related?”	<b>Algebra Sequences 1</b> “How can I find the numbers in a pattern?”	<b>Problem solving week</b>	<b>Measures – Units and scale 2</b> “What is longer a mile or a kilometre?”	<b>Statistics - Collecting data 1</b> “What is a Census?”
<b>Notes/Links/Interleaving</b> Starter activities are used as a retrieval from prior lesson		<b>Additional Higher Content</b> Work is differentiated in lessons to meet the ability of the student			<b>Notes/Links/Interleaving</b> Starter activities are used as a retrieval from prior lesson		<b>Additional Higher Content</b> Work is differentiated in lessons to meet the ability of the student			
Spring 1 – ‘The Circle of Life’					Spring 2 – ‘Conflict’					
UNIT TITLE - Algebra & Numbers					UNIT TITLE - Geometry & Probability					
<b>Algebra – Functions &amp; Graphs 1</b> “How can everyday situation be represented on a graph?”	<b>Number – Percentages 2</b> “Is there a relationship between a decimal, fraction & percentage?”	<b>Number – Number properties 2</b> “What is a power?”	<b>Statistics – Statistical diagrams 2</b> “How can data, divided into categories be represented?”	<b>Algebra – Algebraic Methods 1</b> “How can an approximate answer to a question be improved?”	<b>Geometry – Constructions 2</b> “How can I construct accurate diagrams without using a ruler or protractor for measurement?”	<b>Probability – Probability 2</b> “How can I use the results of an experiment to predict the future?”		<b>Geometry – Measuring shapes 2</b> “How do we calculate measurements in 2-dimensional space?”		
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Summer 1 – ‘Health & Leisure’					Summer 2 – ‘Crime & Punishment’					
UNIT TITLE					UNIT TITLE - Algebra, Geometry & Numbers					
<b>Ratio and Proportion – Ratio and proportion 2</b> “How can I make a cake for 7 people if the recipe has quantities for 3 people?” and “How can I split a restaurant bill fairly?”	<b>Number- Accuracy 2</b> “What makes a number significant?”		<b>Geometry – 3D Shapes 2</b> “How can I build a 3D shape from a 2D plane? When this shape is a cuboid, how can I find its volume and surface area?”		<b>Number - Calculating 3</b> “Do numbers always get bigger when you multiply?”		<b>Algebra – Algebraic Concepts 3</b> “To what extent can introducing brackets change the outcome from an equation?”	<b>Geometry – Properties of Shapes 2</b> “What does it mean when things are not equal?”	<b>Algebra – Algebraic methods 2</b> “What does it mean when things are not equal?”	
<b>Notes/Links/Interleaving</b> Starter activities are used as a retrieval from prior lesson		<b>Additional Higher Content</b> Work is differentiated in lessons to meet the ability of the student			<b>Notes/Links/Interleaving</b> Starter activities are used as a retrieval from prior lesson		<b>Additional Higher Content</b> Work is differentiated in lessons to meet the ability of the student			