



## KS3 Curriculum Map Mathematics

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
<b>Year 7</b>	<b>Algebraic Thinking</b> 1. Sequences 2. Understand and use algebraic notation 3. Equality and equivalence	<b>Place Value and Proportion</b> 4. Place value and ordering integers and decimals 5. Fractions, decimals and percentage equivalence	<b>Applications of Number</b> 1. Solve problems with addition and subtraction 2. Solving problems with multiplication and division 3. Fractions & percentages of an amount	<b>Directed Number</b> 4. Operations and equations with directed number  <b>Fractional Thinking</b> 5. Addition and subtraction of fractions	<b>Lines and Angles</b> 1. Constructing, measuring and using geometric notation 2. Developing geometric reasoning	<b>Reasoning with Number</b> 3. Developing number sense 4. Sets and probability 5. Prime numbers and proof
<b>Year 8</b>	<b>Proportional Reasoning</b> 1. Ratio and scale 2. Multiplicative change 3. Multiplying and dividing fractions	<b>Representations</b> 4. Working in the Cartesian plane 5. Representing Data 6. Tables & Probability	<b>Algebraic Techniques</b> 1. Brackets, equations and inequalities 2. Sequences 3. Indices	<b>Developing Number</b> 4. Fractions and percentages 5. Standard index form 6. Number sense	<b>Developing Geometry</b> 1. Angles in parallel lines and polygons 2. Area of trapezia and circles 3. Line symmetry and reflection	<b>Reasoning with Data</b> 4. The data handling cycle 5. Measures of location
<b>Year 9 Foundation</b>	Number Properties  Representing Data  2D Shapes	Negative Numbers  Algebraic Expressions 3D Shapes Assessment	Units of Measure  Averages	Fractions  Perimeter and Area  Assessment	Probability  Decimals Numbers	Number Properties  Representing Data  2D Shapes



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<b>Year 9 Higher</b>	Fractions and Decimals	3D Shapes	Linear Graphs	Angles	Transformations	Constructions
	Averages	Algebraic Expressions	Representing Data	Collecting Data	Solving Equations	Pythagoras' Theorem
	2D Shapes	Ratio and proportion		Scatter Graphs		