



Curriculum Overview - **Maths**

	Autumn Term 1.1	Autumn Term 1.2	Spring Term 2.1	Spring Term 2.2	Summer Term 3.1	Summer Term 3.2
Year 7	Number Sense Expressions and equations	Expressions and equations Measures	2D Shapes Perimeter and area Coordinates	Factors, multiples and primes Fractions Brackets	Angles Handling data and statistical diagrams	Proportion Fractions, decimals and percentages
Year 8	Percentages Money Indices	Equations Sequences Ratio	Rounding Coordinates Area Circles	Standard form Venn diagrams 3D shapes Surface area and volume	Linear graphs Transformations Angles Statistical diagrams	Inequalities Brackets Algebraic fractions Recurring decimals
Year 9	Fractions and percentages Probability Standard form Inequalities	Quadratic equations Formulae Constructions Circles	Rounding 3D shapes Pythagoras theorem Ratio and proportion	Linear graphs Compound measures Motion-time graphs	Quadratic graphs Angles and bearings Transformations	Similarity and congruence Handling data and statistical diagrams Vectors
Year 10	Percentages Surface area and volume Simultaneous equations	Formulae Trigonometry Constructions	Linear graphs Real-life graphs Set notation Tree diagrams	Compound measures Ratio Graphs	<u>Foundation tier</u> Sequences Handling data Proportion Transformations Rounding	<u>Foundation tier</u> Indices Brackets Handling data and statistical diagrams
					<u>Higher tier</u> Sequences Handling data Proportion Transformations Rounding	<u>Higher tier</u> Indices Recurring decimals Brackets Handling data and statistical diagrams
Year 11	<u>Foundation tier</u> Factors, multiples and primes Fractions Expressions Equations	<u>Foundation tier</u> Angles Right-angles triangles Surface area and volume Statistical diagrams	<u>Foundation tier</u> Probability Inequalities Vectors Percentages	<u>Foundation tier</u> Compound measures Ratio and proportion Standard form Sequences Linear graphs	Revision for GCSEs	Revision for GCSEs
	<u>Higher tier</u> Surds Algebraic fractions Equations	<u>Higher tier</u> Pythagoras and trigonometry Circle geometry Statistical diagrams	<u>Higher tier</u> Probability Inequalities Functions Transformations Iteration	<u>Higher tier</u> Algebraic proof Similarity Geometric proof Graphs	Revision for GCSEs	Revision for GCSEs



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<p>Year 12</p>	<p>Algebraic expressions Quadratics Equations and inequalities Graphs and transformations Straight line graphs Circles Algebraic methods</p>	<p>Trigonometric ratios Trigonometric identities and equations Differentiation Integration Modelling with mechanics Constant acceleration</p>	<p>Integration Exponentials and logarithms Data collection Measures of location and spread</p>	<p>Binomial expansion Vectors Representations of data Correlation Probability Forces and motion</p>	<p>Statistical distributions Hypothesis testing Variable acceleration Algebraic division and partial fractions Radians</p>	<p>Proof by contradiction Functions Reciprocal and inverse trigonometric functions Differentiation</p>
<p>Year 13</p>	<p>Integration Trigonometry Conditional probability Projectiles</p>	<p>Normal distribution Parametric equations Further kinematics Numerical methods Vectors</p>	<p>Regression, correlation and hypothesis testing Large data set Forces and friction Application of forces</p>	<p>Differential equations Moments Static rigid bodies Series</p>	<p>Revision for A Levels</p>	<p>Revision for A Levels</p>