

Year 9 Mathematics Curriculum Outline

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Year 9	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Foundation Maths	<p>Number, powers, decimals, HCF and LCM, roots and rounding</p> <p>Expressions</p> <p>Substituting into simple formulae</p> <p>Expand/Factorise</p>	<p>Expressions</p> <p>Substituting into simple formulae</p> <p>Expand/Factorise</p> <p>Drawing and Interpreting graphs, tables and Charts</p>	<p>Fractions, percentages, ratio and proportion</p> <p>Equations</p>	<p>Equations</p> <p>Angles, polygons and parallel lines</p>	<p>Averages and range, sampling, collecting data, analysing data</p>	<p>Perimeter, area and volume</p>
Year 9 Higher Maths	<p>Number: Place value and estimating. HCF and LCM. Indices. Zero, negative and fractional indices. Standard Form. Surds.</p> <p>Algebra: Algebraic indices. Expanding and Factorising. Equations. Formulae.</p>	<p>Interpreting and representing data: Statistical diagrams 1. Time series. Scatter graphs. Line of best fit. Averages and range. Statistical diagrams 2.</p> <p>Fractions, Ratio and percentages: Fractions, ratios, ratio and proportion,</p>	<p>Angles and Trigonometry: Angle properties of triangles and quadrilaterals. Interior angles of a polygon. Exterior angles of a polygon. Pythagoras Theorem 1. Pythagoras Theorem 2. Trigonometry 1. Trigonometry 2.</p>	<p>Graphs: Linear graphs, more linear graphs, graphing rates of change, real life graphs, line segments, quadratic graphs, cubic and reciprocal graphs, more graphs.</p>	<p>Area and volume: Perimeter and area. Units and accuracy. Prisms. Circles. Sectors of circles. Cylinders and spheres. Pyramids and cones.</p>	

	Linear sequences. Non-linear sequences. More expanding and factorising.	percentages, FRA- DEC-PER.				
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