

Year 10 Mathematics Curriculum Outline

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Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Foundation Maths	<p>Real Life Graphs and Algebraic linear graphs</p> <p>Transformations Translations Reflections Enlargements rotations</p>	<p>Transformations Translations Reflections enlargements rotations</p> <p>Ratio and Proportion</p>	<p>Right Angle Triangles</p> <p>Pythagoras Theorem</p> <p>Introduce Trigonometry</p>	<p>Probability Understand likelihood of an event</p> <p>Understand probability scales</p> <p>Know how to write probabilities</p> <p>Know theoretical probability Work out probabilities from tables –find missing probabilities</p> <p>Multiplicative Reasoning</p>	<p>Constructions, triangles, nets, plans and elevations, loci, scale drawing and bearings</p>	<p>Quadratic Equations and Graphs</p>
Year 10 Higher Maths	<p>Transformations: reflection, translation, rotation, enlargement. Constructions, Loci and Bearings.</p>	<p>Probability: mutually exclusive events, independent events, conditional events, experimental</p>	<p>Similarity and Congruence: Congruence, proofs, similarity, area and volume.</p>	<p>Further Statistics: Sampling, cumulative frequency, Box Plots, Histograms, Comparing data.</p>	<p>Equations and graphs: Simultaneous equations graphically, Inequalities</p>	

	Equations and Inequalities: Quadratic equations. Simultaneous equations. Solving linear inequalities.	probability, Venn diagrams. Multiplicative reasoning: growth and decay, compound measures, ratio and proportion.	More Trigonometry: Sin Cos Tan functions, Areas and sine rule, cosine rule, 2D and 3D problems. Transforming trig graphs.		graphically, quadratic and cubic functions.	
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