

Key Stage 5 Curriculum Overview

Subject: Mathematics

Year 12

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Assessment
<p><u>Pure Mathematics</u></p> <p>Algebra and Functions</p> <p>Coordinate Geometry</p> <p><u>Statistics</u></p> <p>Data Presentation and Interpretation</p> <p><u>Mechanics</u></p> <p>Kinematics</p>	<p><u>Pure Mathematics</u></p> <p>Algebra and Functions</p> <p>Trigonometry</p> <p>Differentiation</p> <p><u>Statistics</u></p> <p>Data Presentation and Interpretation</p> <p>Probability and Statistical Distributions</p> <p><u>Mechanics</u></p> <p>Kinematics</p> <p>Forces</p>	<p><u>Pure Mathematics</u></p> <p>Integration</p> <p>Exponentials and Logarithms</p> <p>Circles</p> <p><u>Statistics</u></p> <p>Probability and Statistical Distributions</p> <p><u>Mechanics</u></p> <p>Forces</p>	<p><u>Pure Mathematics</u></p> <p>Vectors</p> <p>Proof</p> <p><u>Statistics</u></p> <p>Statistical Sampling and Hypothesis Testing</p>	<p><u>Revision and Mock examinations</u></p>	<p><u>Pure Mathematics</u></p> <p>Algebra and Functions</p> <p><u>Statistics</u></p> <p>Probability</p>	<p>All assessment is through examination. This is the first year of the new linear course and all students will be tested in three examinations at the end of Year 13.</p> <p>There will be two examinations on Pure Mathematics and one on Applied Mathematics. (Mechanics and Statistics)</p>

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<p><u>Pure Mathematics (C3)</u></p> <p>Algebra and Functions</p> <p>Trigonometry</p> <p>Differentiation</p> <p><u>Mechanics (M1)</u></p> <p>Kinematics</p> <p>Vectors</p>	<p><u>Pure Mathematics (C3)</u></p> <p>Numerical Methods</p> <p><u>Pure Mathematics (C4)</u></p> <p>Partial Fractions</p> <p>Binomial Series</p> <p>Differentiation</p> <p><u>Mechanics (M1)</u></p> <p>Statics of a particle</p> <p>Dynamics</p>	<p><u>Pure Mathematics (C4)</u></p> <p>Parametric Equations</p> <p>Integration</p> <p><u>Mechanics (M1)</u></p> <p>Dynamics</p> <p>Moments</p>	<p><u>Pure Mathematics (C4)</u></p> <p>Integration</p> <p>Differential Equations</p> <p>Vectors</p>	<p><u>Revision and examinations</u></p>	<p><u>Revision and examinations</u></p>	<p>All assessment is through examination. This is the last year of the modular course and all students will be tested in three modules at the end of Year 13. These are the two Pure Modules (C3 and C4) and Mechanics (M1)</p> <p>In Year 12 students were assessed in two Pure Modules (C1 and C2) and Statistics (S1).</p>