

## KS5 : A level Mathematics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Algebraic Expressions</li> <li>Quadratics</li> <li>Equations and Inequalities</li> <li>Graphs and Transformations</li> </ul> <p><b>Applied: Statistics</b></p> <ul style="list-style-type: none"> <li>Data Collection</li> <li>Measure of Location and Spread</li> <li>Representation of Data</li> </ul>	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Straight Line Graphs</li> <li>Circles</li> <li>Algebraic Methods</li> </ul> <p><b>Applied: Statistics</b></p> <ul style="list-style-type: none"> <li>Correlation</li> <li>Probability</li> <li>Statistical Distributions</li> <li>Hypothesis Testing</li> </ul>	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Binomial Expansion</li> <li>Trigonometric Ratios</li> <li>Trigonometric Identities and Equations</li> </ul> <p><b>Applied: Mechanics</b></p> <ul style="list-style-type: none"> <li>Modelling in mechanics</li> <li>Constant acceleration</li> </ul>	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Vectors 1</li> <li>Differentiation</li> </ul> <p><b>Applied: Mechanics</b></p> <ul style="list-style-type: none"> <li>Forces and Motion</li> <li>Variable acceleration</li> </ul>	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Integration</li> <li>Exponentials and logs</li> </ul> <p><b>Exam Revision</b></p>	<p><b>Mock Exams</b></p> <p><b>Pure (Start year 13 A-level content)</b></p> <ul style="list-style-type: none"> <li>Algebraic Methods</li> <li>Functions and Graphs</li> <li>Sequences and Series</li> </ul>
Year 13	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Binomial Expansion</li> <li>Radians</li> <li>Trigonometric functions</li> </ul> <p><b>Applied: Statistics</b></p> <ul style="list-style-type: none"> <li>Regression and Correlation</li> </ul>	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Trigonometry and modelling</li> <li>Parametric Equations</li> </ul> <p><b>Applied: Statistics</b></p> <ul style="list-style-type: none"> <li>Normal Distribution</li> </ul>	<p><b>Mock Exams</b></p> <p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Differentiation</li> <li>Numerical Methods</li> </ul> <p><b>Applied: Mechanics</b></p> <ul style="list-style-type: none"> <li>Moments</li> <li>Forces and Friction</li> <li>Projectiles</li> </ul>	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Integration</li> </ul> <p><b>Applied: Mechanics</b></p> <ul style="list-style-type: none"> <li>Application of Forces</li> <li>Further Kinematics</li> </ul>	<p><b>Pure</b></p> <ul style="list-style-type: none"> <li>Vectors</li> </ul> <p><b>Exam Revision</b></p>	<p><b>Official Examinations</b></p> <p>EDEXCEL</p> <p>Pure Maths 1: 9MA0-01 (A)</p> <p>Pure Maths 2: 9MA0-02 (A)</p> <p>Statistics and Mechanics: 9MA0-03 (A)</p>