

# Year 11 – MATHEMATICS Programme of Study

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><b>Graphs</b></p> <ul style="list-style-type: none"> <li>Recap and consolidate all earlier content</li> <li>Construct and interpret real life graphs</li> <li>Properties of quadratic graphs</li> <li>Trigonometric graphs (H)</li> <li>Graphs of circles (H)</li> <li>Gradient of a curve and area below (H)</li> <li>Transformation of graphs (H)</li> </ul>	<p><b>Preparation for Mock exams (bespoke to class needs)</b></p> <p><u>Milestone Assessment: Mock exams</u></p> <ul style="list-style-type: none"> <li><b>Paper 1: 90 minutes (non-calculator)</b></li> <li><b>Paper 2: 90 minutes (calculator)</b></li> </ul> <p><b>After the exams:</b></p> <ul style="list-style-type: none"> <li>Assessment feedback</li> <li>Responsive teaching (revisit weaker topics)</li> </ul> <p><b>Ratio and Proportion</b></p> <ul style="list-style-type: none"> <li>Rates of change</li> <li>Graphs representing direct and inverse proportion (H)</li> <li>Solve direct and inverse proportion problems algebraically (H)</li> </ul>	<p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>Recap and consolidate all earlier content</li> <li>Draw and interpret histograms (H)</li> <li>Cumulative frequency curves and box plots (H)</li> </ul> <p><b>Constructions</b></p> <ul style="list-style-type: none"> <li>Compass constructions</li> <li>Loci</li> </ul> <p><b>Preparation for 2<sup>nd</sup> Mock (bespoke to class needs)</b></p>	<p><b>Preparation for Mock exams (bespoke to class needs)</b></p> <p><u>Milestone Assessment: Mock exams</u></p> <ul style="list-style-type: none"> <li><b>Paper 1: 90 minutes (non-calculator)</b></li> <li><b>Paper 2: 90 minutes (calculator)</b></li> </ul> <p><b>After the exams:</b></p> <ul style="list-style-type: none"> <li>Assessment feedback</li> <li>Responsive teaching (revisit weaker topics)</li> </ul>	<p><b>Revision and past papers</b></p>	