

## Year 11 Curriculum Grid

# MATHS (HIGHER TIER B)

Year/term	Unit of work	Intent
<b>Autumn 1</b>	Algebra Mastery	<ul style="list-style-type: none"> <li>• Quadratic equations</li> <li>• Changing the subject of a formula</li> </ul>
	Similarity and Congruence	<ul style="list-style-type: none"> <li>• Similarity and congruence in 2 dimensions</li> <li>• Formal proof of similarity and congruence</li> <li>• Linear, area and volume scale factors</li> </ul>
	Geometry	<ul style="list-style-type: none"> <li>• Standard Circle Theorems</li> </ul>
	Geometry	<ul style="list-style-type: none"> <li>• Plans and elevations</li> <li>• Using scale</li> <li>• Bearings</li> <li>• Standard ruler and compass constructions</li> <li>• Loci</li> </ul>
	Geometry	<ul style="list-style-type: none"> <li>• Volume and surface area</li> </ul>
<b>Autumn 2</b>	Probability	<ul style="list-style-type: none"> <li>• Tree Diagrams</li> <li>• Venn Diagrams</li> </ul>
	Compound Measures	<ul style="list-style-type: none"> <li>• Using speed, density, pressure</li> </ul>
	Statistical Data	<ul style="list-style-type: none"> <li>• Histograms</li> <li>• Box Plots</li> </ul>
<b>Spring 1</b>	Trigonometry	<ul style="list-style-type: none"> <li>• Sine and cosine rule</li> <li>• Trigonometrical graphs</li> </ul>
	Graphs	<ul style="list-style-type: none"> <li>• Use graphs to solve linear inequalities</li> <li>• Quadratic inequalities</li> <li>• Use iteration</li> </ul>
	Functions	<ul style="list-style-type: none"> <li>• Understand and use function notation</li> </ul>
<b>Spring 2</b>	Surds	<ul style="list-style-type: none"> <li>• Understand surd notation</li> <li>• Simplify expressions involving surds</li> </ul>
	Vectors	<ul style="list-style-type: none"> <li>• Understand and use vector notation</li> <li>• Solve problems using vectors</li> <li>• Produce geometrical proofs</li> </ul>
<b>Summer 1</b>	Review and revise	<ul style="list-style-type: none"> <li>• Work is based on the outcomes of question level analysis of mock exams</li> </ul>