

# Mathematics (Higher)



## KS4 Curriculum Breakdown



Year 10		Year 11
<b>HT1</b> (8 weeks)	<ul style="list-style-type: none"><li>• Zero, Negative and Fractional Indices</li><li>• HCF &amp; LCM</li><li>• Powers of 10 and Standard Form</li><li>• Surds</li><li>• Distinguish Between Expressions, Identities, Formulae and Equations</li><li>• Nth Term in Sequences</li><li>• Form Equations</li><li>• Scatter-graphs</li><li>• Time-Series Graphs</li><li>• Pie Charts</li></ul>	<ul style="list-style-type: none"><li>• Circle Theorems</li><li>• Re-Arranging Formulae</li><li>• Surds</li><li>• Algebraic Fractions</li><li>• Identities</li></ul> <p>Y11 Mock 1 – w/c 1<sup>st</sup> October 2018</p>
<b>HT2</b> (7 weeks)	<ul style="list-style-type: none"><li>• Fractions</li><li>• Ratio</li><li>• Proportion</li></ul>	<ul style="list-style-type: none"><li>• Vectors</li><li>• Geometric Proofs</li><li>• Proportion</li><li>• Acceleration</li></ul>

	<ul style="list-style-type: none"> <li>• Pythagoras</li> <li>• Angles</li> <li>• Trigonometry</li> <li>• Sine, Cosine &amp; Tangent Exact Values</li> </ul> <p>Y10 Mock 1 – w/c 19<sup>th</sup> November 2018</p>	<ul style="list-style-type: none"> <li>• Recognise Graphs</li> </ul> <p>Y11 Mock 2 – w/c 19<sup>th</sup> November 2018</p>
<p><b>HT3</b> (6 weeks)</p>	<ul style="list-style-type: none"> <li>• Graphs</li> <li>• Substitute Values</li> <li>• Distance Time Graphs</li> <li>• Equations of Lines</li> <li>• Quadratics</li> </ul>	<ul style="list-style-type: none"> <li>• Exam Revision and Preparation</li> </ul>
<p><b>HT4</b> (6 weeks)</p>	<ul style="list-style-type: none"> <li>• Simultaneous Equations</li> <li>• Factorise Expressions</li> <li>• Linear Inequalities</li> <li>• Calculate Intersections</li> </ul> <p>Y10 Mock 2 – w/c 4<sup>th</sup> March 2019</p>	<ul style="list-style-type: none"> <li>• Exam Revision and Preparation</li> </ul> <p>Y11 Mock 3 – w/c 25<sup>th</sup> February 2019</p>
<p><b>HT5</b> (5 weeks)</p>	<ul style="list-style-type: none"> <li>• Similarity</li> <li>• Congruence</li> </ul> <p>Y10 Mock 3 – w/c 22<sup>nd</sup> April 2019</p>	<ul style="list-style-type: none"> <li>• Summer Exams</li> </ul> <p>Y11 Mock 4 – w/c 22<sup>nd</sup> April 2019</p>
<p><b>HT6</b> (7 weeks)</p>	<ul style="list-style-type: none"> <li>• Equations and Graphs</li> <li>• Iterative Formulae</li> <li>• Cubic Expressions</li> <li>• Turning Points</li> </ul> <p>Y10 Mock 4 – w/c 17<sup>th</sup> June 2019</p>	