



# Mathematics

## Year 11F Curriculum Map

Unit One	Unit Two	Unit Three
<p><b>Topic: Standard Form</b></p> <p><b>Key Learning:</b> Calculating in standard form and reviewing the laws of indices</p> <p><b>Assessment:</b> PPE</p>	<p><b>Topic: Sequences</b></p> <p><b>Key Learning:</b> Continuing, describing and generalising sequences.</p> <p><b>Assessment:</b> PPE</p>	<p><b>Topic: Straight line graphs</b></p> <p><b>Key Learning:</b> Equations of lines and parallel lines, comparing gradients and intercepts and finding midpoints.</p> <p><b>Assessment:</b> PPE</p>
Unit Four	Unit Five	Unit Six
<p><b>Topic: Trigonometry</b></p> <p><b>Key Learning:</b> Using the trigonometric ratios to find missing sides and angles</p> <p><b>Assessment:</b> PPE</p>	<p><b>Topic: Percentages</b></p> <p><b>Key Learning:</b> Using simple and compound interest and reverse percentages to solve complex problems.</p> <p><b>Assessment:</b> PPE</p>	<p><b>Topic: Simultaneous Equations</b></p> <p><b>Key Learning:</b> Solving simultaneous equations by substitution, elimination and graphically</p> <p><b>Assessment:</b> PPE</p>



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Unit Seven	Unit Eight	Unit Nine
<p><b>Topic: Quadratic Equations</b></p> <p><b>Key Learning:</b> Expanding and factorising quadratics, solving where <math>a=1</math> and drawing quadratic graphs.</p> <p><b>Assessment:</b> PPE</p>	<p><b>Topic: Similarity and Congruence</b></p> <p><b>Key Learning:</b> Following the rules of similar shapes and angles to solve problems.</p> <p><b>Assessment:</b> PPE</p>	<p><b>Topic: Vectors</b></p> <p><b>Key Learning:</b> Using vectors to move points, shapes and lines and simple column vector arithmetic.</p> <p><b>Assessment:</b> PPE</p>