

Maths Department

Curriculum Overview - Year 8

The Big Picture:

Year 8 will study: Algebra, Geometry, Data Handling, Probability, Algebra, Ratio and Proportion

<p>Term 1:</p> <p>Drawing straight line graphs Equation of straight-line graphs Kinetic graphs 3D shapes Volume of prisms Volume + surface areas Frequency Diagrams Averages and Spread 2</p> <p>Problem solving</p> <p>Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>	<p>Term 2:</p> <p>Scatter Graphs + Correlation Time Series Calculating with roots + indices Exact calculations Standard Form Properties of Quadratic Functions Sketching Graphs Real life Graphs Pythagoras' Theorem Trig 1</p> <p>Problem solving</p> <p>Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>
<p>Term 3:</p> <p>Trig 2 Vectors Sets Probability Space Tree Diagram</p> <p>Problem solving</p> <p>Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>	<p>Term 4:</p> <p>Sequences rules Finding the nth term Special sequences Compound units Direct Proportion Inverse Proportion</p> <p>Problem solving</p> <p>Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>
<p>Term 5:</p> <p>Revision and Closing the Gap</p> <p>Problem solving</p> <p>Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>	<p>Term 6:</p> <p>Testing and Bridging Gap for GCSE Year 9</p> <p>Problem solving</p> <p>Green Task: Based on kerboodle end of year test Assessment Objectives covered – AO1, AO2</p>