

Key Stage 4 Maths Curriculum Plan

Topics covered	Assessments
<p>Unit 2 Non calculator skills in Number, Algebra and Geometry. Topics will include calculations with positive, negative and decimal numbers, fractions and percentages. Solving problems with graphs area and volume.</p> <p>Unit 1 Statistics and Probability. Finding averages, collecting and displaying data, comparing distributions and calculating probabilities of events.</p> <p>Unit 3 (Y11) Harder topics in Number, Algebra and Geometry these include trigonometry, equations and proportion.</p>	<p>This unit is started in the last term of Y9 and is examined in March of Y10. It is a written examination without a calculator approx. 1 hour 15 minutes and is worth 30% of the final grade</p> <p>This unit is started in March Y10 and is examined in November of Y11. It is a written calculator paper approx. 1 hour 15 minutes and is worth 30% of the final grade.</p> <p>This unit is started at the end of Y10 and is examined in the summer (June) of Y11. It is a calculator paper lasting approx. 1 hour 30 minutes and is worth 40% of the final grade.</p> <p>Rules regarding re-sitting Each student may re-sit each of Unit 1 and Unit 2 once and only once. However as preparation takes place for each unit during lesson time we have found that statistically students do better on their 1st attempt than their re-sit. We encourage each student to work seriously and hard for their first sitting.</p>
<p>Home enrichment opportunities Opportunities should be encouraged at home to do some maths games often, eg count down, playing cards, chess, etc (all of these have mathematical and problem solving content).</p> <p>Visit the science museum in London it has a gallery dedicated to the history of modern mathematics.</p> <p>The film “A Beautiful Mind” or “21” have a lot of mathematical content (parents should watch 1st and decide if suitable for their children).</p> <p>Involve them in planning, budgeting and problem solving in any home DIY or family holiday arrangements.</p>	