



Mathematics

KS4

What will I learn?

Students begin their 3-year GCSE mathematics course in Year 9 and will be following the Edexcel GCSE specification. The GCSE mathematics course will equip students with a uniquely powerful set of tools to understand and change the world. These tools include logical reasoning, problem-solving skills and the ability to think in abstract ways.

Students will develop the skills and knowledge needed to tackle unfamiliar problems. They will become more aware of the connections between different areas of mathematics and its application in the world around them. Students will also become increasingly capable in calculating with fractions, decimals and percentages and using proportional reasoning. They will build on their understanding of number and make generalisations using letters by manipulating expressions and equations. Each student will extend their mathematical vocabulary to talk about number properties and geometrical objects. In addition there will be the opportunity to collect data, learn statistical techniques to analyse this data and display and interpret results.

What will I do?

Students in year 9 will cover a variety of mathematical skills across different levels to help develop them to be the best mathematician that they can be. A wide range of activities, approaches and learning styles will be used in lessons to enhance their learning in mathematics.

How will I be assessed?

Students will be assessed regularly each term using GCSE exam style questions and will be graded using the new GCSE 1 – 9 grading system. This will help students to understand the standard required and to give them practice in sitting GCSE style questions. Students will be tested during the first few weeks of the academic year in order to assess their prior learning and allocate them to an appropriate group.