IGCSE Mathematics

Why study Mathematics?

Thank goodness that studying mathematics is compulsory to GCSE level because where would any of us be without it? It helps us to make sense of our lives on a daily basis such as when organising our finances, but it is also at the heart of developments in technology, science and engineering. Without mathematics the world would be a very different place with no telephones, no televisions, no computers, no aeroplanes and no bridges. However, studying mathematics is about so much more than learning skills to apply to real life situations as it has its own unique elegance and beauty. Studying mathematics helps to develop analytical skills and equips us with skills to solve problems logically.
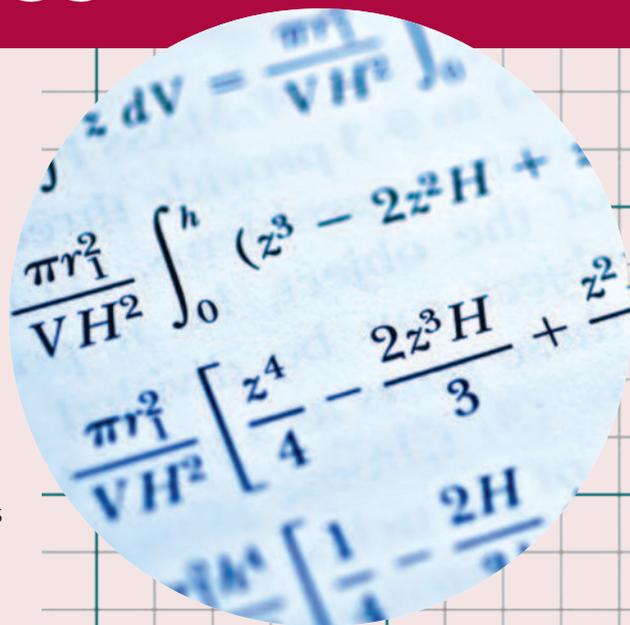
What will I study?

You will continue to study all areas of mathematics: number, algebra, geometry and data handling, building on the foundations of what you have learnt in Years 7-9, and start to develop methods for solving multi-step problems as well as the importance of proof.

How will Mathematics benefit me?

You will gain:

- Key skills that will enable most students to choose to study mathematics beyond GCSE in the future

- The knowledge, skills and understanding needed to apply mathematics to a range of other subjects across the curriculum and to real-life problems

- An ability to think and communicate mathematically – precisely, logically and creatively

- The ability to use mathematics to solve problems and present solutions clearly, interpreting and checking results

- An appreciation of the satisfaction that you feel after solving a complex mathematical problem.

ASSESSMENT

Two written examination papers, each 50% of the final grade, taken in the summer term of Year 11.

Some students also have the opportunity to study for the further mathematics IGCSE, which is assessed by two papers of length 1hr 30 mins (40% of grade, non-calculator paper) and a 2 hour (60% of grade, calculator paper).

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