



GCSE MATHEMATICS (Board: EDEXCEL)



WHY STUDY MATHEMATICS?

Mathematics is very important as more and more subjects come to depend upon mathematical tools. There is a national shortage of people with mathematical skills and this subject will equip you with the necessary skills to cope with numerous jobs and higher education courses that use it. This is particularly true with scientific, technical or management careers. Mathematics is an important subject in the study on Engineering, Computing and Physics it could unlock your prospects for a future in a variety of careers such as Medicine, Ecology and Cryptology.

COURSE CONTENT

The GCSE in Maths, which can be entered at Higher or Foundation Tier, covers 6 areas of content: number, algebra, ratio & rates of change, geometry & measurement, probability and statistics.

Students will integrate the basics of mathematics throughout the different topics helping them to develop important problem-solving skills and develop links to other curriculum areas.

Assessment

The GCSE course allows there to be two tiers of entry: Higher (targeting grades 9 to 4) and Foundation (targeting grades 5 to 1). Three papers will be sat on separate dates.

Paper 1 (Non-calculator): 1 hour 30 minutes

Paper 2 (Calculator): 1 hour 30 minutes

Paper 3 (Calculator): 1 hour 30 minutes

Additional opportunities at Key Stage 4

There will be opportunities for students to be able use their mathematical knowledge and skills through extended activities and "Rich Tasks" that will help them to develop their functional skills. We feel that it is important that every student knows how to apply the skills gained in lessons to be able to solve real life problems. The new GCSE specifications will also incorporate this into its syllabus as a matter of course.

Additionally, more able mathematicians will be able to take advantage of further opportunities. The UKMT Maths Challenge will allow them to solve problems and test themselves nationally against the most able mathematicians. In addition, we offer an in-school maths competition and the opportunity to visit the Hexagon to see 'Maths Inspiration'.