

POST 16 SUBJECT OVERVIEW

Name of Subject - GCSE Mathematics

Which Examination Specification is Studied for this Course? AQA

Why should I study this course? - Maths is for everyone. It is diverse, engaging and essential in equipping students with the right skills to reach their future destination, whatever that may be.

The subject content of this specification has been organised into broad topic areas and students will be given the opportunity to study concepts within areas of Number, Algebra Ratio and proportion, Geometry and measures, Probability and Statistics. Students will become fluent in areas of mathematics but will also gain experience in problem solving.

Who is suitable to study this course? - Learners who did not achieve a Grade 4 on their GCSE Mathematics qualification will be expected to retake the qualification as part of their sixth form offer.

What GCSE Qualifications Support the Study of this Course? N/A

What are the Qualification Requirements for this Course? Learners who did not achieve a Grade 4 on their GCSE Mathematics qualification will be expected to retake the qualification as part of their sixth form offer.

How is the Course Delivered? - The retake of GCSE Mathematics builds upon the solid foundations of a learner's Key Stage 4 learning journey. To develop a learner's skills to a minimum of a Grade 4, students will be allocated 2 taught hours by a subject specialist supplemented with support on the Google Classroom provision as well as the excellent independent study revision website of <https://sites.google.com/outwood.com/maths/home>
The grid below outlines what units / content is taught when across the one year course:

Subject Overview		
Half Term	Year 12	Year 13
Autumn 1	Calculating with numbers - decimals, place value, ratio and proportion and factors and multiples. Working with fractions, decimals and percentages.	N/A
Autumn 2	Algebra Substitution, expanding and factorising, quadratics, solving equations and inequalities.	N/A
Spring 1	Mock Examination 1 Data concepts - drawing and interpreting graphs and charts.	N/A
Spring 2	Mock Exam 2 Geometry - angles, areas, perimeters, volumes and transformations, measures.	N/A
Summer 1	Data and Probability. Measure of averages Calculating probabilities. Sampling.	N/A
Summer 2	Course terminates	N/A

How is the Course Assessed?

The course is examined by the completion of 3 written exams.

Paper 1

written exam: 1 hour 30 minutes • 80 marks • non-calculator • 33⅓% of the GCSE

Paper 2

written exam: 1 hour 30 minutes • 80 marks • calculator • 33⅓% of the GCSE

Paper 3

written exam: 1 hour 30 minutes • 80 marks • calculator • 33⅓% of the GCSE

All papers include a mix of question styles, from short, single-mark questions to multi-step problems. The mathematical demand increases as a student progresses through the paper.

What is our Recommended Subject Reading list to Support your Study? -

The OGAT Maths website provides valuable information and examination practice and this can be found at the following link

<https://sites.google.com/outwood.com/maths/home>.

Students are also encouraged to continue to use Hegarty Maths (<https://hegartymaths.com/>) for videos of concepts and complete questions and quizzes on GCSE Mathematics content.

