Post 16 Subject Overview

Name of Subject - Core Mathematics A (MEI)

Which Examination Specification is Studied for this Course?
OCR L3

Why should I study this course?
This is a fantastic chance to keep mathematics up after GCSE and also to take Maths to a new level without having to push as far as A-level. Not only does it give students a chance to develop their maths skills further but will contribute to other subjects that they could be studying at the same time such as business or any of the sciences. A lot of the topics covered in the Core Maths course are very relatable to real world mathematics such as finance, mortgages, real world analysis and physical modelling of real life scenarios.

Who is suitable to study this course?
If you have a passion for maths but do not think A-level is suitable for you, this is a perfect way to gain a higher qualification and continue mathematical study. This course also accompanies A-Level sciences very well as a lot of the topics go hand in hand. If you are wanting to go into Business or a course involving maths at a degree level then this will also show that you have kept up a significant level of mathematical study when applying for University.

What GCSE Qualifications Support the Study of this Course?
This course follows on straight from GCSE maths with a lot of the topics very similar but developed further. GCSE statistics would greatly support this qualification as well but not required.

What are the Qualification Requirements for this Course?
Must have a level 4 or higher at GCSE maths to take up this course.

How is the Course Delivered?

Course is delivered over 2 years with 3 hours of lessons each week. Usually taught by 1 teacher but may be split over 2. There is very little independent study carried out with this course with no coursework required and very little to no homework required either. There are a number of practical investigations and studies but these are incorporated into the normal class timetable.

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Half Term	**Year 12**	**Year 13**
Autumn 1	Modelling	Exponentials and Logarithms
Autumn 2	Modelling and estimation	Normal distribution
Spring 1	Number and Finance	Probability and Risk
Spring 2	Financial calculations/project	Screening and revision
Summer 1	Data	Exams
Summer 2	Statistical analysis	

How is the Course Assessed?
The course is assessed with two 2 hour papers at the end of the 2 year course with no coursework input. There is a Quantitative Reasoning paper and a Critical Maths paper, both worth a total of 72 marks each. Depending on grade boundaries you can be awarded an A-E grade appropriately.

What is our Recommended Subject Reading list to Support your Study?
A full course breakdown and and accreditation can be found here:

https://www.ocr.org.uk/Images/173575-specification-accredited-core-maths-a-mei-h868.pdf

A list and link to some great resources can also be found below.

https://www.ocr.org.uk/blog/resources-for-core-maths/