

POST 16 SUBJECT OVERVIEW

Post 16 Subject Overview

Name of Subject

AQA Level 3 Certificate Mathematical Studies (Core Maths)

Which Examination Specification is Studied for this Course?

AQA Level 3 Certificate Mathematical Studies (Core Maths)

Why should I study this course?

We investigate and analyse the sort of problems that businesses, organisations, and mathematicians wrestle with every day. How many taxi drivers are there in Barnsley? How many times does an average family use their washing machine in a year? Mathematics does not always have a correct answer, or at least a correct knowable answer. How can we estimate the answers to these problems?

Who is suitable to study this course?

This is a useful course for anybody who has ever asked “When am I going to use this in real life?”.

What GCSE Qualifications Support the Study of this Course? The critical analysis side really benefits anybody studying social sciences and humanities subjects, as well as anyone studying more mathematical subjects like engineering or physics.

What are the Qualification Requirements for this Course? Anybody with a Grade 4 or above in GCSE Mathematics is encouraged to sign up to this course.

How is the Course Delivered? - *This is a two year course delivered through two hours of lessons per week. Students are expected to do one hour of study outside of the classroom for every hour in the classroom.*

Subject Overview		
Half Term	Year 12	Year 13
Autumn 1	Analysis of Data	Normal Distribution

Autumn 2	Maths for Personal Finance	Correlation and Regression
Spring 1	Taxation	Critical Analysis
Spring 2	Estimation	Review
Summer 1	Probability	Review
Summer 2	Critical Analysis	

How is the Course Assessed?

The course is 100% exam-based.

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

Why Do Buses Come In Threes? - Rob Eastaway

Humble Pi - Matt Parker

The Hidden Mathematics of Sport - Rob Eastaway and John Haigh

How Long Is A Piece of String - Rob Eastaway and Jeremy Wyndham

