

## The Course

We are following the AQA Level Three syllabus  
([www.aqa.org.uk](http://www.aqa.org.uk))  
Mathematical Studies 1350

What previous knowledge do I need?

You should have a grade 5 or above in GCSE Mathematics.

Will I be able to succeed in Core Maths?

Those students who work hard and achieved a 5 or better at GCSE do well. Be warned that you cannot 'cruise' through the course without working hard, even if maths comes very naturally to you.

### How does the course run?

Core Maths is run as a one year course in year 12, alongside your other three A-levels. This means that by the time you apply to university in year 13, you will already have your Core Maths grade.

**Core Mathematics can provide valuable support for other A-levels including Biology, Chemistry, Physics, Geography, Business Studies, Psychology and Computer Science**

## The Content

- Analysis of data
- Maths for personal finance
- Estimation
- Critical analysis of given data and models
- The normal distribution
- Probabilities and estimation
- Correlation and regression

## Assessment

Two equally weighted 90 minute exams. You can use a calculator for both the exam papers.

### Paper 1- What's assessed?

- Analysis of data
- Maths for personal finance
- Estimation
- Critical analysis of given data and models

### Paper 2 - What's assessed?

- The normal distribution
- Probabilities and estimation
- Correlation and regression

**Coursework is not required for Core Mathematics**

# Why should I take Core Mathematics?

## Either because:

- You enjoy it and would like to learn more and do more mathematics.
- You want to hone your analytical skills and learn more about logical reasoning.
- You're good at it and you want to capitalise on your strength.
- You want to have an additional qualification in Maths but don't want to do A-level Mathematics.

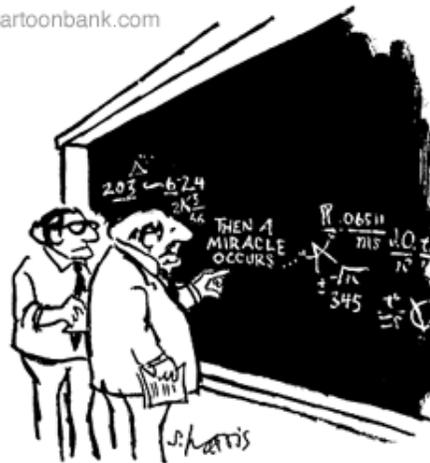
## or because you know that:

- It complements and supports other A-level with mathematical content such as Geography, Psychology and Sciences.
- Mathematics is an essential foundation for many degrees including most science subjects and some social sciences.
- Core Maths will allow you to learn real-life maths skills which can be applied on a day-to-day basis.
- Students who study Mathematics after GCSE improve their career choices and increase their earning potential.

## In studying Core Mathematics you can expect to become:

- more analytical
- more adept at problem solving
- more numerate
- more qualified for a wide range of careers.

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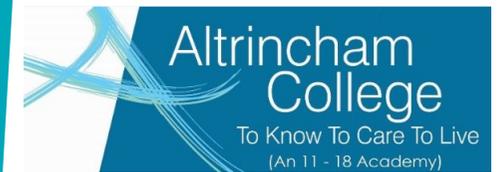
"I think you should be more explicit here in step two."

Zoom Out

# MATHS Matters....

The infographic features a central title "MATHS Matters...." with a "Zoom Out" button. Below the title are several circular icons representing different career fields: statistics, transport, engineering, IT, graphics, food technology, computer games, mathematics, physics, teaching, and finance. At the bottom, it states "IT ALL ADDS UP TO A GREAT CAREER" and provides the website <http://www.mathscareers.org.uk>.

If you have any questions please contact Mrs E Jones on [ejs@altrinchamcollege.com](mailto:ejs@altrinchamcollege.com)



## Level 3 Core Mathematics Altrincham College Sixth Form



A guide to help you decide whether Core Mathematics is the right choice for you

