Exam Board: EDEXCEL

What qualifications do I need to take the course?

Minimum of 5 GCSEs at Grade 9 – 4 (or equivalent), including Grade 7 in Mathematics, although a Grade 8 is highly recommended.

How is the course assessed?

Examinations are sat at the end of year 13:
Core Pure Mathematics: 2 x 1.5 hour exams
Option Papers: 2 x 1.5 hour exams

Textbooks and Resources

Students have online access to textbooks.
Extensive independent study resources are provided through OneNote
Students are directed towards other online resources that will complement their learning

Technology

All students must purchase a Casio FX-911EX ClassWiz Scientific Calculator; the calculator used is the same as for the Mathematics course, but you will use many more of its functions in this course.

CONTACT US

For more information please contact:
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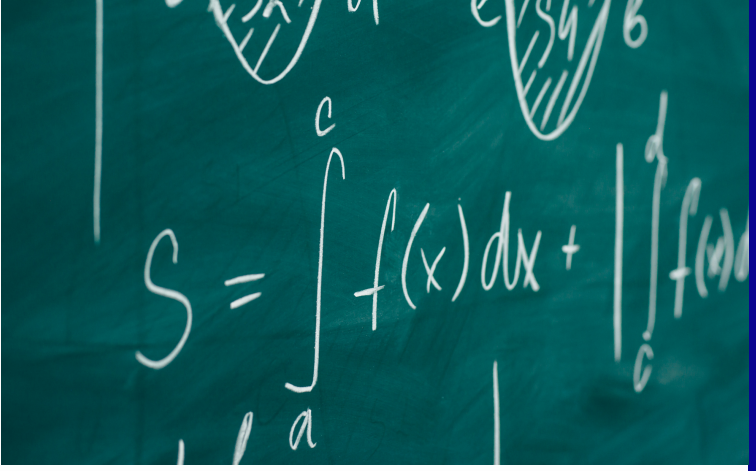
Collingwood College
BELIEVE SUCCEED

A LEVEL FURTHER MATHEMATICS



THE COURSE

CORE PURE MATHEMATICS
(COMPULSORY UNIT)

Complex numbers, polynomials, series, proof, matrices, vectors, volumes of revolution, hyperbolic functions, polar coordinates, differential equations, calculus

Option Units (Students choose 2 of these to study)

- Further Pure 1
- Further Pure 2
- Further Statistics 1
- Further Statistics 2
- Further Mechanics
- Decision Maths 1
- Decision Maths 2

SUBJECT DESCRIPTION

Further Mathematics enables you to study Mathematics at both a greater depth and breadth than the single A Level in Mathematics. Half of the course consists of flexible modules that can be chosen according to students interests and other A Level subjects.

WHERE WILL THE STUDY OF FURTHER MATHEMATICS A LEVEL TAKE ME?

Students taking Further Mathematics often progress on to university courses in Mathematics (including Joint Schools courses), Engineering or Computing. Further Maths is often a required or desirable qualification for such courses, and in some cases more generous UCAS offers may be given when Further Maths is studied. Some students simply chose to study Further Mathematics because they enjoy Maths and know that it is a well regarded qualification.

WHAT OTHER A LEVELS FIT WITH FURTHER MATHEMATICS?

The course must be taken alongside A Level Mathematics as an additional A Level.

This means that you may be studying a total of either 3 or 4 A Levels.

Although certain subjects such as Computing and Physics are popular choices to complement Further Mathematics, previous students have studied the full range of A Levels including Science, Arts, Humanities and Technology subjects.