



Bideford College

Part of the Athena Learning Trust

Further Mathematics

**Subject Information
For admissions in September**

Further Mathematics

Exam Board: EDEXCEL

Qualification Title: A-Level Further Mathematics

Specification Link: <https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html>

Unit Titles

**Paper 1 & 2
Core Pure Mathematics 1 & 2**

**Paper 3 & Paper 4
Options papers**

Topic Descriptions:

The perception that Further Mathematics is just harder content is very much flawed. It is a course developed to: broaden the understanding of key mathematical concepts; develop the ability to use mathematical language effectively; apply mathematical techniques to real life; prepare students for university programmes with significant mathematical content; and explore some new pure methods to develop the students understanding of mathematical problem-solving. Further Pure has direct links to many university mathematics degree problems and Mechanics has strong ties with Physics even complementing that subject at A-Level. The Statistics and Decision modules have a broad range of links including further studies in IT, humanities, and applied science.

The Options papers comprise two choices: Further Pure, Mechanics, Statistics, and Decision Mathematics. Currently, the preferred taught option pair at Bideford College is Further Pure and Mechanics. Although, other options have been pursued by students through supported independent learning.

Entry Requirements:

To study A-Level Further Mathematics you must have achieved at least a Grade 8 at GCSE Mathematics. You must also be studying A-Level Mathematics at Bideford College. Following the GCSE Edexcel Further Mathematics in Year 11 at Bideford College would have substantial benefits as it introduces many of the topics. We have allowed students who do not have a GCSE Grade 8 who do well on the AS-Level Mathematics to transfer onto AS-Level Further Mathematics in Year 13.

Possible Progression Routes:

A-Level (and AS-Level) Further Mathematics is an excellent choice for students considering higher education in any science or mathematics-based course, including but not limited to: computer science; biochemical sciences; natural sciences; engineering, medical sciences; psychology; statistics; actuarial science; economics; accountancy; and all management related programmes.

Equipment Required:

The course uses a blend of textbook content (provided) and IT-supported learning (Integral) with student access arranged and managed by Bideford College. Students will need access to IT and the internet at home, if this is an issue then it can be sorted by the course teachers. We recommend that all students have a Casio FXCG50 and some are available for loan; they cost between £85-£100 but offer a significant advantage to students in examinations over the recommended GCSE Casio calculators.

Subject Contact:

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How to apply?

To apply to Bideford College Sixth Form please complete our online application form:

<https://www.bidefordcollege.uk/sixth-form>

Our admissions team will then be in contact to arrange a Sixth Form interview to discuss your options, your aspirations, and to provide advice and guidance on your next steps.

If you cannot access the website, or would like to submit a paper based application please email or call.

kgilbey@bidefordcollege.uk

01237 477611

Further details about all of the courses we offer can be found on our website.