



Bideford College

Part of the Athena Learning Trust

Mathematics

Subject Information
For admissions in September

Mathematics

Exam Board: EDEXCEL

Qualification Title: A-Level Mathematics

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

Unit Titles

Paper 1

Pure Mathematics 1

Paper 2

Pure Mathematics 2

Project

Statistics and Mechanics

Topic Descriptions:

The mathematics course is designed to develop mathematical argument, language, proof, problem solving and modelling. The pure mathematics topics are proof, algebra and functions, coordinate geometry in the (x,y) plane, sequences and series, trigonometry, exponentials and logarithms, differentiation, integration and vectors. The statistics topics are statistical sampling, data presentation and interpretation, probability, statistical distributions and statistical hypothesis testing. The mechanics topics are kinematics, forces and Newton's laws and moments.

Entry Requirements:

To study A-Level Mathematics you must have achieved at least a grade 6 at GCSE. It is strongly recommended you have a good understanding of the algebra topics.

Possible Progression Routes:

A-level mathematics is a good choice for students considering higher education in any science or Maths-based course ranging from: biochemical sciences, natural sciences, engineering, medical science, psychology, philosophy, economics, accountancy, management and actuarial science.

Equipment Required:

- You will be required to purchase the Casio CG-50 graphical calculator (approx cost £85) to support you further. This can be purchased through the school to keep costs down and you may be able to use a bursary.

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

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