



Launceston College Sixth Form

Part of the Athena Learning Trust

Mathematics

Subject Information
For admissions in September

Mathematics

Exam Board: AQA

Qualification Title: A-Level Mathematics

Specification Link: www.aqa.org.uk/subjects/mathematics/as-and-a-level/mathematics-7357/specification-at-a-glance

Unit Titles

Paper 1

Pure Mathematics:

Paper 2

Pure Mathematics & Mechanics

Project

Pure Mathematics & Statistics



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 a graphical calculator (£85-£100 estimate) and 2 course textbooks costing about £25 each; a revision guide (£8 estimate) might support you further. These can be purchased through the school to keep costs down and you may be able to use a bursary.

Subject Contact:

Miss Sally Curtis
scurtis@launcestoncollege.uk

How to apply?

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

www.launceston-college.cornwall.sch.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.

sixthform@launcestoncollege.uk
01566 771855

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