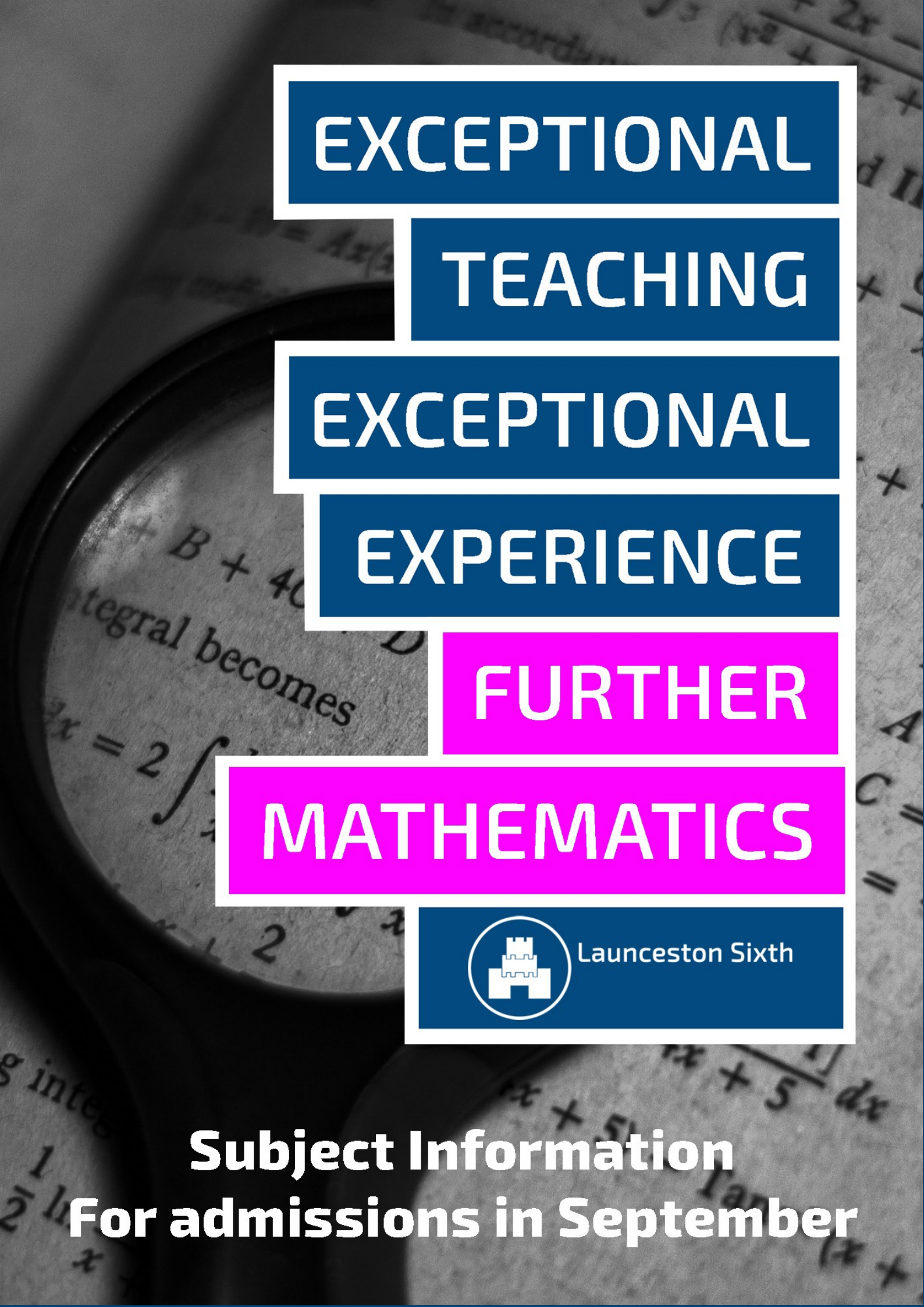


EXCEPTIONAL TEACHING EXCEPTIONAL EXPERIENCE FURTHER MATHEMATICS

Launceston Sixth

Subject Information
For admissions in September

Further Mathematics

Exam Board: AQA

Specification Link:
https://www.aqa.org.uk/subjects/mathematics/a-level/mathematics-7367/specification/specification-at-a-glance

Topic descriptions: The further mathematics course is designed to develop mathematical argument, language, proof, problem solving and modelling. The pure mathematics topics are proof, complex numbers, matrices, further algebra and functions, further calculus, further vectors, polar coordinates, hyperbolic functions, differential equations, trigonometry, numerical methods. The mechanics topics are dimensional analysis, momentum and collisions, work, energy and power, circular motion, centres of mass and moments. The discrete mathematics topics are graphs, networks, network flows, linear programming, critical path analysis, game theory, group theory and binary operations.

Assessment: You will sit three two hour exams at the end of Year 13 with the content split as follows: Paper 1 Pure Mathematics, Paper 2 Pure Mathematics and Paper 3 Mechanics and Discrete Mathematics.

Entry Requirements: To study A-Level Further Mathematics, you must have achieved at least a grade 8 in GCSE mathematics. You need to have a strong understanding of the algebra topics. You must also study A-Level Mathematics.

Possible progression routes: A-level Further Mathematics is a good choice for students considering higher education in any science or maths-based course, ranging from: computer science, biochemical sciences, natural sciences, engineering, medical sciences and psychology to statistics, economics, accountancy, management and actuarial science.

Equipment Required: You will need a graphical calculator (£100-£120 estimate) and four course textbooks costing about £30 each. You may choose to buy a revision guide (£20 estimate) to support you further. You may be able to use the bursary to support you when purchasing these items.

Course Contact: Mrs Sally Sparks
ssparks@launcestoncollege.uk

How to Apply:

To apply to Launceston Sixth please complete our online application form: www.launcestoncollege.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.

ldavey@launcestoncollege.uk

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