Further Mathematics

Subject Information Sheet

Course Title:	Mathematics
Subject:	Further Mathematics
Qualification:	A level
Exam Board:	Edexcel
General Course Description	• **Students taking Further Mathematics overwhelmingly find it to be an enjoyable, rewarding, stimulating and empowering experience.** It is a challenging qualification, which both extends and deepens your knowledge and understanding beyond the standard A level Mathematics. Students who do it often say it is their favourite subject. • **For someone who enjoys mathematics, it provides a challenge and a chance to explore new and/or more sophisticated mathematical concepts.** As well as new learning new areas of pure mathematics you will study further applications of mathematics in mechanics and decision mathematics. • **Students who take Further Mathematics find that the additional time spent studying mathematics boosts their marks in single A level Mathematics**. Studying Further Mathematics consolidates and reinforces your standard A level Mathematics work, helping you to achieve your best possible grades.
Course Content and Teaching Units	50% of the course has to be Core Pure content with 25% Decision and 25% Mechanics.

Entry Requirements	If you choose to study A level Further Mathematics, you must choose A level Mathematics. 8 in GCSE Mathematics (strong 7s will be considered)
Assessment	All examined across four equally weighted papers at the end of two years. Two will be the compulsory core modules, one Decision and one Mechanics
Financial Information	Recommended calculator costs about £18. Textbooks are lent to the pupils for a refundable deposit of £5.
Progression Opportunities	• **It makes the transition from sixth form to university courses which are mathematically rich that much easier as more of the first year course content will be familiar.** If you are planning to take a degree such as Engineering, Sciences, Computing, Finance/Economics, etc., or perhaps Mathematics itself, you will benefit enormously from taking Further Mathematics, at least to AS level. AS Further Mathematics introduces new topics such as matrices and complex numbers that are vital in many STEM degrees. Students who have studied Further Mathematics find the transition to such degrees far more straightforward. If you decide to study for a mathematically rich degree during year 12, but are not taking AS Further Mathematics it is often possible to start AS Further Mathematics alongside A level Mathematics in year 13. • **It enables students to distinguish themselves as able mathematicians in their applications for university and future employment.** Further Mathematics qualifications are highly regarded and are warmly welcomed by universities. Students who take Further Mathematics are really demonstrating a strong commitment to their studies, as well as learning mathematics that is very useful for any mathematically rich degree. Some prestigious university courses require you to have a Further Mathematics qualification and others may adjust their grade requirements more favourably to students with Further Mathematics.

Further Information about our courses including results	**In 2021 89% of Maths students gained an A*- B grade, 76% got A*-A and 100% gained a grade A*-E.** **The 3 year average for A*-B is 86%, A*-A is 76%.**
Trips, visits and extra-curricular	Visits to Universities and talks from lectures and past Maths students who have gone onto be very successful at Russell Group Universities including Oxford and Cambridge.