

FURTHER MATHEMATICS

Exam board	AQA
Entry requirements	A grade at GCSE or higher. Must have also picked A level mathematics
Units of study and topics covered	Further Pure 1 Further Pure 2 and Further Pure 4 Complex numbers, matrices, proof, hyperbolic functions, polar coordinates and differential equations. Statistics 1 and Statistics 2 Probability, data handling, probability distributions, estimation, correlation and regression and hypothesis testing Decision 2 Networks, algorithms, sorting, linear programming Mechanics 2 Forces, energy, motion, kinematics, projectiles , moments, collisions and stability
Forms of assessment used	AS: 3 modules 100% examination, all 90 minutes must include Further Pure 1 A2: 3-5 modules 100% examination, all 90 minutes must include Further Pure 2 or Further Pure 4. You will pick your best 3
Key skills for success	Hard working Willing to make mistakes and learn from them Ability to apply knowledge to new situations Problem solvers
Expectations	Willing to work independently outside of class; students must work at least 1 hour outside class for every hour in lesson. Must meet assignment deadlines and be willing to work on misconceptions and mistakes to resubmit incorrect solutions.
Good subject combinations	Good with all Sciences, Technology, Business, Economics, Engineering, Psychology
Potential pathways post sixth form:	Studying both A-level Mathematics and A-level Further Mathematics provides a foundation for further studies in any Science or Maths-based course, ranging from Computer Science, Medical Sciences, and Psychology to Statistics, Management and Actuarial Science.
Where students can find out more	http://www.aqa.org.uk/subjects/mathematics/a-level Please speak to your teacher, Mr. Cherry or Mr. Warrick