What is the course about?

Further Mathematics should be considered as an addition to Mathematics A Level. There is a misconception that Further Mathematics A Level is harder than A Level Mathematics, but generally that is not the case. This course is perfect for students particularly interested in mathematics or physics and love a challenge.

Course content

- Core pure mathematics proof, complex numbers, matrices, further algebra and functions, further calculus, further vectors, polar coordinates, differential equations and hyperbolic functions
- **Optional units** including mechanics, decisions and further pure Mathematics

Assessment

Four terminal examinations.

Career pathways

Study a degree course with a mathematics content, e.g. mathematics, statistics, physics, engineering, computer science.

Employment opportunities: mathematics in security – working to keep one step ahead of the hackers!, mathematics in telecommunication and the internet – traffic jams on the information superhighway, mathematics in the environment – better weather forecasting, better conservation management, mathematics of finance and economics – buy! Sell! Mathematics on the stock market, when to take a risk?

Entry criteria

Minimum of five 5 to 9 grades at GCSE, including grade 7 in GCSE Mathematics and you must also be studying Mathematics A Level.