

### Overview

A Level Further Mathematics is a rigorous and challenging area of study. You will build on the topics covered in A Level Mathematics as well as having the opportunity to study areas of Mathematics that may not otherwise be met until University.

You will develop your problem solving skills and learn to communicate solutions in an efficient and concise way for both Pure and Applied modules.

*Awarding Organisation:*  
Edexcel

*Minimum course requirements:*  
GCSE Grade 8+ in Mathematics  
[to be studied with A-Level  
Mathematics]

*More information:*  
Mr W Dineley

### Curriculum and assessment

In addition to further study of some of the topics covered at A Level, you will also study:

- Complex Numbers
- Matrices
- Calculus
- Polar Coordinates
- Hyperbolic Functions
- Differential Equations

You will also study one of the following areas of Mathematics:

- Mechanics
- Statistics

#### ASSESSMENT

Three 2 hour papers to be taken at the end of Year 13.

### Post 18 opportunities

Students with a Further Mathematics qualification go on to study many courses at university from Engineering and operational research to Pure Science and Mathematics.

#### Destinations of students in recent years:

University of Oxford – Mathematics

Exeter University – Mathematics

Nottingham University – Mathematics

### Expenses

Students will be expected to purchase their own textbooks. An appropriate scientific or graphical calculator is essential and there is also the possibility of a trip. Further details will follow on the Induction Days.