

# Further Maths

## Introduction

The school is fortunate to be able to offer further Mathematics as a timetabled course. Further Mathematics should be considered if you intend to study any Maths based course at University (including Physics and

Engineering). The course requires you to be studying A Level Maths and is an additional maths A Level. These consist of a combination of both Pure and Applied modules that extend your skills beyond the standard A-level modules.

The course gives further opportunities to explore the rich and diverse nature of Mathematics. As a result, A level Further Mathematics is a course aimed at the highest calibre of student but this could be you!

## Content

The new A Level Further Mathematics course studied is the Edexcel syllabus. This consists of 4, 1½ hour exams at the end of year 13. Two of the exams contain content from pure components of the course and two exams contain content from applied components of the course.

### **Pure components of the course:**

Proof, complex numbers, matrices, further algebra and functions, further calculus, further vectors, polar coordinates, hyperbolic functions, differential equations.

### **Applied components of the course:**

There will be opportunity to study either extra content in mechanics, statistics or decision maths. The components here will be decided to give students a broad ability in further maths.

## Course Requirement

Studying A level Mathematics.

## Course Leader

Miss R Holmes

