

Further Mathematics

A level – Edexcel

Course leader: Mr Nangalia

What's it all about?

As the name suggests this is the study of mathematics taken further than in A level mathematics. It will mainly involve further pure mathematics with the emphasis on algebraic methods in addition to studying an applied subject. This is aimed at students who have chosen mathematics as an A level option already and may be looking for further study at university in either a mathematics, engineering or science course.

What are the entry requirements?

9 - 7 in GCSE mathematics.

A student with a passion for mathematics and is possibly considering a career related to mathematics, engineering or the sciences.

What will I learn on this course?

The course will cover pure mathematics in more detail than the ordinary A level and then students will have the opportunity to cover other aspects of mathematics in more detail such as statistics and decision maths.

How will I be assessed?

The A level qualification in further mathematics is a linear course. After two years of studying mathematics, students will be tested over four papers. Two of the papers will cover further pure mathematics, the third paper will cover further mechanics and the fourth decision maths. There is currently no coursework on the Edexcel syllabus.

What do your current students say?

A very challenging but enjoyable subject which stretches their understanding to its limits.

'Considered to be difficult, however the quality of teaching makes it seems easy'

'Further maths involves lots of problem solving that gives you a good sense of achievement when you finish a lesson.'

Is there anything else I need to know?

This course is taught at King Charles I School.

The qualification is recognised by employers and in higher education as an indication of high ability in mathematics. Some universities regard it as essential if a degree in mathematics is contemplated.

Who can I contact for further information?

Mr Nangalia, Head of Maths – rnangalia@kingcharles1.worcs.sch.uk