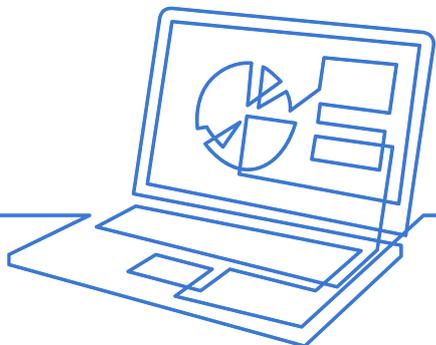


Further Maths



About the course

Studying A Level Further Maths will extend your range of mathematical skills and techniques beyond that found in A Level Maths. You will gain a deeper understanding of coherence and progression in mathematics and how different areas of mathematics are connected. You will also be able to use your mathematical knowledge to make logical and reasoned decisions in solving problems both within pure mathematics and in a variety of contexts.

The course has 2 components:

Pure maths:

This study of abstract mathematical concepts builds on the ideas seen in regular maths with the addition of complex numbers, matrices and series. Many of these topics form the basis of most maths degree programmes.

Decision Maths:

This strand of maths is strongly linked to computer programming. It is all about creating algorithms to solve problems where a decision is required, such as route planning and optimisation problems. Many businesses use these skills to increase profitability and efficiency. Most of the topics seen in these modules will be entirely new to you as they are not seen at GCSE.

Assessment

Like other A Levels, all Further Mathematics exams will take place at the end of the course. Exam questions may draw on the content of the whole A level. There is no coursework in this subject.

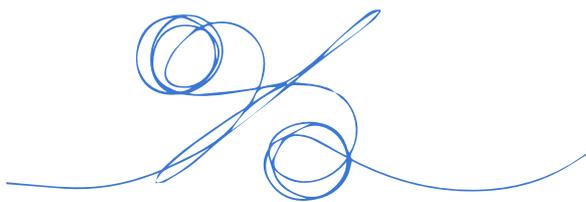
If you chose to sit AS exams there will be one 1hr 40 Pure paper and one 1hr 40 Decision Paper.

All students will sit the exams at the end of the course which will comprise of two, 1hr 30 Pure Maths exams and two 1hr 30 Decision exams

Careers

Further Maths, as an extension of regular maths, is a highly valued subject by both universities and future employers. Like Maths, it is classed as a facilitating subject, meaning it is one of the most frequently asked for A Levels by universities.

Students with a background in further maths often go on to work in similar fields to those with regular maths backgrounds, such as accountancy, actuarial science, engineering (electrical, structural, aerospace etc.), banking, economics, stockbroking and data analysis.



Entry Requirements

To take A Level Further Maths you will need a GCSE Maths grade of a 8 or above. There is no requirement for you to have sat GCSE Further Maths.

Find Out More

To find out more you should contact:

jill.branch@whitleybayhighschool.org

or follow the department's twitter page:

[@maths_wbhs](https://twitter.com/maths_wbhs).

You can also read more about the course [here>>](#).

