



## About the course

Studying A Level Maths will allow you to explore both Pure and Applied Maths in a variety of settings. You will build upon the knowledge gained at GCSE as well as exploring new strands of mathematics. There will be an emphasis on problem solving, reasoning and modelling, and a requirement for the use of technology to permeate teaching and learning.

The content of the two year mathematics course will include:

### Pure maths:

This is the study of the abstract mathematical concepts that lie behind real world applications. This can be thought of as the study of the language of mathematics, with emphasis on appreciating the beauty of the maths itself, rather than its wider uses. Many GCSE topics are extended, along with the addition of new topics, such as calculus.

### Mechanics:

This strand of maths is closely linked to physics and is used to model the movement of objects and application of forces in the real world. This takes the interlinked concepts of speed, distance and time and extends them to more complex settings.

### Statistics:

In this field of maths, data representation and analysis is examined. This builds on the concepts seen at GCSE and stretches them further, with extra emphasis on looking at probability, correlation and distributions.

## Assessment

Like other A Levels, all 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 2 hour Pure paper and one 1¼ hour Applied Paper.

All students will sit the exams at the end of the course which will comprise of two, 2 hour Pure Maths exams and one 2 hour Statistics and Mechanics exam

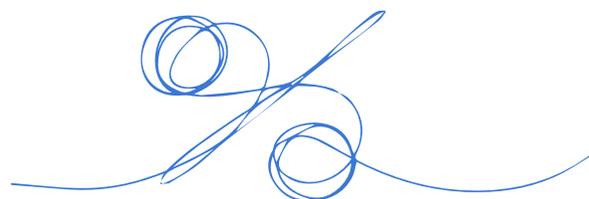
## Careers

Maths will open the doors for a variety of University course and future careers, it is classed as a facilitating subject, meaning it is one of the most frequently asked for A Levels by universities.

Students with mathematical backgrounds often go on to work in accountancy, actuarial science, engineering (electrical, structural, aerospace etc.), banking, economics, stockbroking and data analysis.

## Entry Requirements

To take A Level Maths you will need a GCSE grade of a 6 or above.



## Find Out More

To find out more you should contact:  
[jill.branch@whitleybayhighschool.org](mailto: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>>>](#).

