

# A Level Mathematics



## Course Overview

If you enjoy Maths and feel confident with the work you have met so far at GCSE, then you should consider Maths A Level. It is a demanding and challenging subject, but it can be an extremely rewarding one if you are prepared to put in time and effort. In return you will gain one of the most useful of all the A Levels which can open the door to many degree courses and occupations.

You will be taught in groups by a combination of lectures, classes and workshops for 5 hours per week for both Mathematics and Further Mathematics. You will be set weekly homework and it is crucial to keep up to date with this.

## What You Will Study

A Level Maths is divided into two areas; Core and Applied. Core Maths builds upon your knowledge from GCSE in topics such as Algebra, Coordinate Geometry, and Trigonometry. It also introduces many new areas such as Calculus (Differentiation and Integration), and Series. Applied Maths is all about Maths in the real world, which includes Mechanics and Statistics. Some of the topics covered include Newton's Second Law, Kinematics, Linear Regression, and Probability.

There may be the option for exceptional mathematicians to study Further Maths, which is also divided into Core and Applied. Core Further Maths includes topics on Complex Numbers and Matrices, while the Applied section introduces Decision Maths, a relatively new area of Maths concerning Algorithms and Processes (please note that Further Maths will only run subject to sufficient numbers).

## How You Will Be Assessed

A Level exams will be at the end of two years and will form your entire grade. There will be two 2-hour exams and one exam lasting 1 hour and 15 minutes on the whole of the course content (AS and A2); two Core exams and one Applied.

## Entry Requirements

5 GCSEs at Grade 9-4, including English Language.

PLUS

Grade 6 in Maths.

### START DATE

September

### LEVEL

Level 3

### STUDY MODE

Full-time

### DURATION

2 years

### AWARDING BODY

Edexcel

### LOCATION

Wakefield College



For further information about this course, including Entry Requirements, Assessments and Further Study, scan the QR code.

## Need More Information?

For additional course information please contact the Course Information Team on **01924 789111** or email [courseinfo@heartofyorkshire.ac.uk](mailto:courseinfo@heartofyorkshire.ac.uk).

To learn more about Wakefield College, our facilities and how we can support you please visit our website [www.heartofyorkshire.ac.uk](http://www.heartofyorkshire.ac.uk).

## Quick Links



**How to  
Apply**



**Student  
Support**



**Virtual  
Tours**

## Further Study

You can go on to Higher Education to study degrees in maths, statistics, physics, astronomy, engineering and computer science. Many other degrees, including medicine, architecture and social sciences, have a certain amount of mathematical or statistical content and your Maths A Level will be of great assistance to you.

Maths is regarded as a 'facilitating subject' which will increase your chance of progression to a Russell Group University.