Welcome to A-Level mathematics

Your lecturer for maths this year will be Liam Sherriffs ([sherriffsl@chesterfield.ac.uk](mailto:sherriffsl@chesterfield.ac.uk))

**Course Overview**

A level Maths is a challenging course that builds on the skills you will have learned at school. You really need to be keen at maths and have enjoyed maths at GCSE.

Maths at A-Level will leave you with research skills that will allow you to find solutions to problems, investigate theories, and therefore give you the ability to find new information more effectively.

For many STEM and economics degree courses, A level Mathematics is an essential pre-requisite. For others, such as geography and finance, studying AS/A level Mathematics is very useful, as it helps to keep students' mathematical skills fresh and prepares them for the maths they will encounter during the course.

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The modelling of the world around us, the motion of objects and the forces acting on them.

Reaching conclusions from data and calculating the likelihood of an event occurring.

Mechanics (17%)

Statistics (17%)

Methods and techniques which underpin the study of all other areas of mathematics, such as, proof, algebra, trigonometry, calculus, and vectors

Pure Mathematics (66%)

**Course content**

We have copies for use in class and when you start, we will provide access to online editions too. You can access these from a PC, Laptop, tablet or phone.

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We use a range of websites such as Dr Frost maths, maths genie, physics and maths tutor, Desmos.

Please attempt the following work in preparation for starting in September.

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Calendar

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Calendar

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Graphical user interface

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Description automatically generatedShape, polygon

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AS Mathematics Bridging work –Try to do as much as you can before starting in Sept.

Text

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Challenge Questions – Don’t worry if you struggle with some (or all) of these

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