



Mathematics

Edexcel

Why study this at A Level?

By taking Mathematics at A Level, you will develop the ability to solve problems and develop analytical thinking that can be applied in many different areas of life.

Studying Mathematics also gives you access to a wide range of university courses and careers.

Most importantly, Mathematics is fun and rewarding and can give you a great sense of achievement.

Course Content and Assessment

Edexcel A Level Mathematics fall into two categories of content:

Pure Maths

- Algebra, Calculus, Geometry, Trigonometry, Vectors

Applied Maths

- Statistics (Data Representation, Modelling Distributions, Hypothesis Testing) and Mechanics (Kinematics, Forces, Moments, Projectiles)

Skills obtained

- *Mathematical and statistical problem solving, data analysis and interpretation skills, which are considered valuable in a broad range of subject areas.*
- *Careers in finance, medicine, engineering, and business are all open to people with a background in Mathematics.*

Our students have gone on to pursue a number of related university courses including Engineering, Economics, Physics, Computer Science, Statistics, Geography, Actuarial Science and, of course, Mathematics

Assessment

The A level course is assessed in its entirety at the end of Year 13 through a total of three papers:

- Two consisting of Pure content
- One consisting of Applied content.

All three papers are two hours in length.



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