

# Further Mathematics



**Beckfoot**  
Sixth Form

**A LEVEL**

*Exam Board: AQA*

Further Maths is a demanding course which results in achieving two A Levels by the end of Year 13. This is taught in just six hours a week, so students need to be prepared to complete independent work outside of lessons. It is an extremely course but can be rewarding if you are up for the challenge.

## *Subject specific criteria:*

- Grade 8 in GCSE Maths
- Grade 4 in GCSE English

## *Skills required:*

- Analytical skills
- Problem solving
- Inquisitive mind

## *Units studied:*

- Pure Maths
- Mechanics
- Statistics
- Decision

Two-thirds of the A level Maths qualification is made up of Pure Core Maths, which provides techniques in Algebra, Geometry, Trigonometry and Calculus - the fundamental building blocks of this subject. The final one-third of this qualification is made up from Mechanics and Statistics.

Similarly, Further Pure Maths makes up two thirds of the A level Further Maths qualification. Mathematical applications make up the remainder of the course. At Beckfoot, we study Decision and Mechanics.

## *Futures:*

Maths opens doors to university courses. You want to study any science based course, including medicine, engineering, computing, maths is a must. It is also good to have if you are thinking about law, psychology, economics, business studies, architecture. Since maths is one of the most traditional and hardest subjects a good grade in maths can boost an application for pretty much every course and job you might want to apply for.

## *Subject enrichment:*

Various opportunities to enter national and international Maths competitions, visit Universities, and see STEM speakers.