

What is Further Maths A Level?

A-level Further Mathematics is designed to broaden and deepen the mathematical knowledge and skills developed when studying A-level Mathematics. It may be studied alongside or after taking A level Mathematics and provides a stimulating experience you love the subject.

WHAT WILL I LEARN?

What content will I cover?

Paper	Topics	Weighting	When?
1	✓ Further Pure Mathematics 1	25% of A-Level	Year 13
2	✓ Further Pure Mathematics 2	25% of A-Level	Year 13
3	✓ Further Mathematics Option 1 (Further Statistics, Mechanics or Decision)	25% of A-Level	Year 13
4	✓ Further Mathematics Option 2 (Further Statistics, Mechanics or Decision)	25% of A-Level	Year 13

How will I be assessed?

You take all 4 exams at the end of Year 13. They are 1.5 hours each.

What skills will I develop?

- ✓ Understanding of the mathematics that underpin many aspects of our lives
- ✓ The ability to apply a range of mathematical skills to different situations
- ✓ Acute logical thinking and problem-solving abilities
- ✓ The ability to process, interpret and analyse information.

WHERE CAN FURTHER MATHS A LEVEL TAKE ME?

With further maths A-Level you will gain skills applicable to any degree. Many students who study further maths study mathematics at degree level. Other degrees that you'd be well skilled to study include engineering, sciences, computing, finance and economics.

WHAT DO I NEED TO ACHIEVE?

You must gain a Grade 7 in maths at GCSE.

RECOMMENDED READING:

Magical Mathematics - Persi Diaconis and Ron Graham

Mathenauts: Tales of Mathematical Wonder - Rudy Rucker

Seventeen Equations that Changed the World - Ian Stewart



HOW CAN I FIND OUT MORE?

Email: Fiona.Dyke@reachacademy.co.uk