

# FURTHER MATHEMATICS

**Exam Board:** Pearson Excel

**Assessment methods:** 100% exams, 4 papers

**Length of exams:** Each paper is 1.5 hours long

## **Content and assessment overview**

This Pearson Edexcel Level 3 Advanced GCE in Further Mathematics builds on the skills, knowledge and understanding set out in the whole GCSE subject content for mathematics and the subject content for the Pearson Edexcel Level 3 Advanced Subsidiary and Advanced GCE Mathematics qualifications. Assessments will be designed to reward students for demonstrating the ability to provide responses that draw together different areas of their knowledge, skills and understanding from across the full course of study for the AS further mathematics qualification and also from across the AS Mathematics qualification. Problem solving, proof and mathematical modelling will be assessed in further mathematics in the context of the wider knowledge which students taking A level further mathematics will have studied.

## **Breakdown of units**

Paper 1: Core Pure Mathematics 1

Paper 2: Core Pure Mathematics 2

### Content overview

Proof, Complex numbers, Matrices, Further algebra and functions, Further calculus, Further vectors, Polar coordinates, Hyperbolic functions, Differential equations

### Assessment overview

- Paper 1 and Paper 2 may contain questions on any topics from the Pure Mathematics content.
- Students must answer all questions.
- Calculators can be used in the assessment.

Paper 3: Further Mathematics Option 1

### Content overview

Students take one of the following four options:

A: Further Pure Mathematics 1

B: Further Statistics 1

C: Further Mechanics 1

D: Decision Mathematics 1

### Assessment overview

- Students must answer all questions.
- Calculators can be used in the assessment.

Paper 4: Further Mathematics Option 2

### Content overview

Students take one of the following seven options:

A: Further Pure Mathematics 2

B: Further Statistics 1

C: Further Mechanics 1

D: Decision Mathematics 1

E: Further Statistics 2

F: Further Mechanics 2

G: Decision Mathematics 2

### Assessment overview

- Students must answer all questions.
- Calculators can be used in the assessment.

*Updated 19/6/20*