



Revision list for A-Level Further Mathematics

Circulation	Year 13- Student
Title	Year 13- A Level Further Mathematics revision list
Purpose	To provide revision information for A Level Further Mathematics

You will sit **four papers** in total, **two Core Pure**, **Further Mechanics** and **Decision**.

Core Pure 1 and 2 contents:

- Complex numbers
- Argand diagrams
- Series
- Roots of polynomials
- Volumes of revolution
- Matrices
- Linear transformations
- Proof by induction
- Vectors
- Methods in calculus
- Polar coordinates
- Hyperbolic functions
- Methods in differential equations
- Modelling with differential equations

Mechanics 1 content:

- Momentum and impulse
- Work, energy and power
- Elastic strings and springs
- Elastic collisions in one dimension
- Elastic collisions in two dimensions

Decision 1 content:

- Algorithms and simplex algorithm
- Graphs and networks
- Algorithms on graphs
- Route inspections
- The travelling salesman problem
- Linear programming
- Critical path analysis

4 Papers- 2 Core Pure: The exam will be 1 hour 30 minutes each.

Further Mechanics: The exam will be 1 hour 30 minutes.

Decision: The exam will be 1 hour 30 minutes.

You must answer all questions in the paper. You will need a black pen, pencil, ruler, and calculator for the exam.

Further detail and revision materials can be found here:

Maths Genie: [Maths Genie • Learn A Level Maths for Free](#)

MME Revise: [A Level Revision | MME](#)

1st Class maths: [A-Level Revision | 1st Class Maths](#)

MPT: [Physics & Maths Tutor](#)

Bisen Maths: [Bicen Maths | Resources](#)