



# Year 12 EOY Revision list for Mathematics

<b>Circulation</b>	Year 12- Student
<b>Title</b>	Year 12- EOY Mathematics revision list
<b>Purpose</b>	To provide revision information for Year 12 EOY Mathematics

You will sit **two papers** in total, **one pure** and **one applied** (Statistics and Mechanics)

## Pure content:

- Differentiation & Equation of a Line
- Quadratic Inequalities
- Polynomials – Factor Theorem
- Vectors
- Surds and Exponential Functions
- Equation of a Circle
- Binomial Expansion
- Trigonometry
- Exponential Modelling
- Integration
- Differentiation Modelling
- Logarithms
- Trigonometry
- Integration
- Proof

## Applied content:

### Statistics

- Binomial Distribution Function
- Probability
- Spread of Data and Averages
- Probability
- Spread of Data and Sampling
- Sampling

### Mechanics

- Constant Acceleration and SUVAT
- Forces in 2-D
- Variable Acceleration
- Constant Acceleration under  $g$  only
- Connected Particles

**2 Papers- Pure:** The exam will be 2 hours.  
**Applied:** The exam will be 2 hours.

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](#)

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

MPT: [Physics & Maths Tutor](#)

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