



**I. Examination board
and course title:
AS and A level
Mathematics
Edexcel**

GDA



2. Course overview

AS and A level Mathematics courses further develop familiar mathematical topics learned at GCSE such as algebra, co-ordinate geometry, trigonometry and probability.

New topics introduced at A level include: sequences and series; differentiation and integration, together known as calculus; Newton's laws of motion; and statistical hypothesis testing.

Students are expected to use technology such as graphical calculators, graphing software and spreadsheets throughout the course.

3. Assessment outline

Students starting AS and A level Mathematics courses in September 2017 or later will take all examinations at the end of the course. AS examinations may be taken at the end of the first year (Year 12). The marks awarded for AS do not count towards the A level qualification taken at the end of the second year (Year 13).

Structure of the paper:

AS Maths: 2 papers

Paper 1: Pure Mathematics

- 2 hours
- 66% of the qualification
- Total marks: 100
- Calculators allowed

Paper 2: statistics and mechanics

- 1 hour
- 33% of total marks
- Total marks :50
- Calculators allowed

A level: 3 papers

Paper 1: Pure Maths

- 2 hours
- 33% of qualification
- Total marks 100
- Calculators allowed

Paper 2 : Pure Maths

- 2 hours
- 33% of qualification
- Total marks 100
- Calculators allowed

Paper 3 : Statistics and Mechanics

- 2 hours
- 33% of qualification
- Total marks 100
- Calculators allowed

4. Entry Requirements

A grade 7 and above in Maths (equivalent of an A from the GCSE old specifications).

5. Career Pathways

There are many different career opportunities, including:

- Computing
- Technology
- Politics
- Engineering
- Physics