



**Exam Board:**



**Components:**

**1. Pure**

**Mathematics year 1**

**2. Statistics and**

**Mechanics year 1**

**3. Pure**

**Mathematics year 2**

**4. Statistics and**

**Mechanics year 2**

**Assessment:**

**Pure Mathematics 1:**

- 2 hours
- 100 Marks
- 33.3% of A-Level

**Pure Mathematics 2**

- 2 hours
- 100 Marks
- 33.3% of A-Level

**Statistics and Mechanics**

- 2 Hours
- 100 Marks
- 33.3% of A-Level

**Summary**

The study of Mathematics helps students to develop an understanding of the inner workings of the world around us.

In Pure Mathematics you will learn to model using trigonometry and differential equations which will allow you to predict the future behaviours of complex situations. Other topics studied in this section of the course include:

- Quadratics, inequalities and transformations
- Binomial expansions, sequences and series
- Exponentials and logarithms
- Algebraic methods and functions
- Calculus and arithmetic methods

In Statistics and Mechanics you will cover:

- Representations of data and probability
- Correlation and hypothesis testing
- Modelling
- Acceleration, forces and motion

**Looking Ahead**

Students studying Mathematics at A-Level have gone on to careers in an extensive and varied field of careers. Many have gone on to university and have studied subjects ranging from Mathematics and Computing to Medicine and Architecture. Several students have also gone on to complete higher level apprenticeships, gaining qualifications in subjects such as accounting and engineering.

**Link Subjects**

Further Mathematics, Physics, Chemistry, Business Studies, Sociology, Computing

**Key Skills Developed**

- Problem solving
- Modelling
- Statistical analysis

**Student View**

"The teachers are really good and will not let you fail, which is why it is so good because you can feel their dedication towards you"

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