

**Exam Board – EDEXCEL**

**Duration – 2 Years**

## **Course Content**

This is a 2 year Mathematics programme. The AS Mathematics will be a standalone qualification: results from the AS cannot contribute towards an A level. Both AS and A level qualifications will have linear assessment and all examinations will be taken at the end of the course. Students will cover Pure and Applied Mathematics at both AS and A2:

- Pure Mathematics (Algebra, geometry, sequence and calculus)
- Applied Mathematics in Mechanics and Statistics  
Mechanics (Motion, forces, moments and vectors)  
Statistics (Probability, random variables and hypothesis tests)

This course will provide students with a solid foundation required for progress to further study. It will promote confidence in students, enabling them to have a better understanding of mathematical processes.

Students will extend their range of mathematical skills and techniques.

Students will take increasing responsibility for their own learning and evaluation of their own mathematical development.

## **Skills and Qualifications Required**

Students will be expected to have achieved a grade 6 or above at GCSE in order to be considered on the course.

## **Assessment**

### **AS Mathematics**

**Paper 1:** Pure Mathematics  
62.5%, 2 hours, 100 marks

**Paper 2:** Statistics and Mechanics  
37.5%, 1 hour 15 minutes, 60 marks  
Section A: Statistics (30 marks)  
Section B: Mechanics (30 marks)

### **A level Mathematics**

**Paper 1:** Pure Mathematics  
33%, 2 hours, 100 marks

**Paper 2:** Pure Mathematics  
33%, 2 hours, 100 marks

**Paper 3:** Statistics and Mechanics  
33%, 2 hours, 100 marks

## **A Pathway To...**

Mathematics prepares students for the demands of Higher Education and work where mathematical and statistical skills are applied. For example, in Aviation, Actuary, Engineering, Natural and Life Sciences, Medicine and Health, Teaching, IT and Computers to name a few. A qualification in Mathematics is well respected by employers and Admissions tutors for all degree subjects. On average, people with a qualification in Mathematics can be expected to earn at least 10% more in their chosen career.

## **For More Information Speak To:**

Mr Adebusuyi Email- AdebusuyiA@Thomasbecket.org.uk