

MATHEMATICS

A LEVEL



ST HILDA'S
COLLEGE

Course Content

Duration of course: 2 Years

Three examinations at the end of year 13:

Paper 1 – Core Mathematics

Paper 2 – Core Mathematics

Paper 3 – Two sections, Mechanics & Statistics

Core modules extend the work started at GCSE and also introduce the calculus topics of differentiation and integration.

Statistics and Mechanics are applications modules that allow students to apply their core knowledge to the solution of real world problems.

Teaching and Learning

The teaching of these programmes follows closely from the teaching at GCSE.

Teachers add variety to the lessons in order to support different learning styles.

Students will be given a Classwizz calculator or have the option to buy a graphical calculator at a heavily subsidised price. Students have access to graphical software and also to other web based software for additional support outside of the classroom.

Assessment

AS Maths will be assessed at the end of Year 12.

A-Level Maths is examined in full in May/June of Year 13 and each examination is 2 hours.

There is no coursework element to this course.

Progression

Mathematics is amongst the most fascinating of all intellectual disciplines. It is effective in solving a wide range of real life problems as well as being a subject worthy of study in its own right.

You will need to learn Mathematics beyond GCSE in a wide variety of degree courses. A level Mathematics is usually a requirement for degree courses in Mathematics, Statistics, Physics, Chemistry, Computer Studies, Architecture and most forms of Engineering.

For many others, like Biology, Biochemistry, Medicine, Psychology, Economics, Accountancy, Business and Management a knowledge of A level Mathematics is extremely helpful.

Entry Requirements

Grade 7 or above at GCSE Maths

Examination Board

Edexcel

Further Details

Mrs E Cowdell

The 6th Form
@ St Hilda's