

Introduction

The Advanced Level Courses being offered this year, administered by OCR are:

A level Mathematics – a 2 year course.

AS Mathematics, essentially the first year of A level Mathematics.

Double Mathematics (A level Mathematics and A level Further Mathematics)

All these courses are modular in nature, the AS comprising 3 modules and each A level comprising 6 modules which are taken in blocks throughout the course. This structure enables students and teachers alike to get an accurate idea of the progress being made, thus helping with decisions about Higher Education courses and future employment. Module examinations can be retaken, which is useful for those who feel that they have not

performed to their full potential first time around.

Single Mathematics (AS and A)

Throughout the course students have six lessons of Mathematics per week.

Double Mathematics

The students in this set take a total of 12 modules in the two years and have 10/12 lessons each week. This course enables students to certificate for **two** A levels.

Examinations

Module examinations will be taken in January and June in Years 12 and 13, an AS certification being achieved at the end of Year 12.

The AS course consists of 3 Modules: 2 Core Modules which cover the Pure Mathematics content and 1 Module in Statistics.

To complete A level Mathematics, a further 3 Modules are needed: 2 more Core Modules and 1 Module in Mechanics.

To complete A level Further Mathematics 6 additional modules are needed.

Entry Requirements

Expectations

Students should expect to find AS and A level Mathematics difficult and they should be prepared to persevere. In the past, some students have started the course without a real commitment, only to drop it when they realised that hard work was required. **It is far better to make an informed choice before the Autumn term rather than to change course at a later date.** With a good attitude and a willingness to work hard, success is possible for most students who meet the entry requirements.

Why take Mathematics?

An A level qualification in Mathematics is highly regarded by prospective employers and Universities alike as being a good indicator of a logical and analytical mind. The content of the course is a good preparation for further study in Science or Technology and also fits well with many other subjects.

Double Mathematics enables students to take the subject a lot further and is an excellent preparation for degree level studies in Engineering, Mathematics itself and a wide variety of Science courses.

We will expect students starting an A level Mathematics course to have either a grade A* to B at Higher tier Mathematics GCSE, or a grade B at Intermediate. In the past we have allowed students who have gained a grade C onto the course but we have found that nearly all subsequently decide to drop the course. In order to avoid the disappointment and inevitable problems caused by these students swopping courses at a later date, we now exclude those with a grade C unless there are exceptional circumstances. In general we would expect prospective A level mathematicians to have followed a Higher Tier *course* even if they then decided to take an Intermediate examination.

For acceptance onto the Double Mathematics course it is necessary for students to have exhibited a real flair for, and an interest in the subject. It is rare for anyone with less than a grade A Mathematics GCSE to complete this course successfully.

Ashby School staff who are currently involved in Advanced level teaching:

Mrs C Jackson (Head of Faculty)

Miss N Ley (Second in Faculty)

Mrs S Chisholm

Mr A Dicks

Mr D Dring

Mr S McCarron

Mr K MacDonald

Mr A Plaskett

Mr B Piper

Any of the above staff should be able to answer queries regarding the courses if there is anything else that you would like to know.

Enquiries by post should be addressed to

**Mrs C Jackson,
Mathematics Faculty,**

Ashby School,

Nottingham Road,

Ashby de la Zouch. LE65 1DT.

By phone, (01530) 413748 and ask for the Mathematics Office.

By email, admin@ashbyschool.org.uk

**ADVANCED
LEVEL
MATHEMATICS
COURSES**

AT

**ASHBY
SCHOOL**

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