

## WHY MALBANK SIXTH FORM COLLEGE?

The Science Department at Malbank Sixth Form College offers the finest Science Education to students who are accepted onto the Science courses.

Students are given every opportunity to obtain high quality education and achieve the best examination results of which they are capable.

Students study each science for eight or nine hours per fortnight in well equipped laboratories.

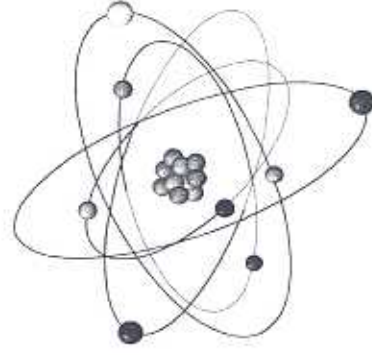
Group sizes are kept as small as possible, commonly between ten and fifteen students.

With experienced and dedicated staff students are taught rather than 'lectured to' so they are always fully supported, encouraged and have access to immediate assistance in all areas of their studies. As with all courses at Malbank Sixth Form College, once accepted onto a course of study Malbank will guarantee its full support right to the end of the course.

## WHY BIOLOGY?

Students who study Biology will be well received should they wish to continue their careers in Physiotherapy, Pharmacology, Veterinary Science, Medicine, Biochemistry, Microbiology, Agriculture, Radiotherapy, Nursing, Forensic Science, Horticulture and many other areas.

The rigorous approach that the Science of Biology requires stands students in good stead should they choose to use their Biology qualifications in a more general way. Law, Accountancy and Business Management courses will welcome students of AS and A level Biology.



MALBANK SCHOOL  
AND  
SIXTH FORM COLLEGE



# AQA Specification B BIOLOGY

## Introduction

This course is divided into two sections, AS and A2. AS is taught in the first year and this leads to the second year, A2

AS + A2 = A level

Each section should occupy nine hours of teaching time per fortnight. The course is divided into discrete modules, three in each section

## Course requirements

Students must have a minimum of four GCSE's at grade C or above and will include Separate Science Biology at grade C or Dual Award Science at grade BB.

During the second year all A2 Biology students will be expected to attend a field trip to Menai to study seashore ecology. A large proportion of the teacher assessed practical work will take place during this time.

## COURSE CONTENT

AS level September to July Year 1

### Unit 1: Core Principles

Unit 2: Genes and Genetic Engineering

### Unit 3: Physiology and Transport

This unit includes a teacher assessed element, unit 3B which accounts for 15 percent of the total AS mark.

A2 September to July Year 2

Unit 4: Energy, Control and Continuity

### Unit 5: Environment

This unit includes a teacher assessed element, unit 5B which accounts for 7.5 percent of the final A level mark

### Unit 6: Applied Ecology

### Unit 7: Microbes and Disease

### Unit 8: Behaviour and Population

Only one of units 6, 7 or 8 is studied

## ASSESSMENT

Each unit has its own Module Test.

The Unit 1 test will be taken in January and the rest of the tests for AS will be taken in the summer examination sittings after the first year. A2 unit tests will be taken during year two depending upon when the module work has been completed.

Unit tests may be retaken **once** and best mark will count.

The unit tests are comprised of structured questions.

Part of units 3 and 5 are teacher assessed based on the students own record of practical work.

