

# Advanced BIOLOGY

## EXAM BOARD: AQA

### AIM OF THE COURSE

The AQA 2015 syllabus aims to give a grounding in all the major aspects on Biology and practical experience is integrated throughout the entire course. Any biological interest from the workings of the human body, botany, how our cells and genes work to a desire to protect our natural world will be nurtured and deepened during your studies.

### YEAR 12 SUMMARY

The Year 12 course consists of 4 topics as follows:

1. Biological molecules
2. Cells
3. Organisms exchange substances with their environment
4. Genetic information, variation and relationships between organisms

### YEAR 13 SUMMARY

The course incorporates all of the topics covered in Year 12 and in addition to four further topics:

5. Energy transfers in and between organisms
6. Organisms respond to changes in their internal and external environments
7. Genetics, populations, evolution and ecosystems
8. The control of gene expression

### Provisional Course Entry Requirements

A minimum of two grade 6s or above in GCSE Science, preferably grade 6 or above, a grade 6 in Maths and an average GCSE points score of at least 5.5.

Assessment	Weighting	
<b>Paper 1</b> Any content from topics 1–4, including relevant practical skills	35%	<b>2 hr exam – May/June</b>
<b>Paper 2</b> Any content from topics 5-8, including relevant practical skills	35%	<b>2 hr exam – May/June</b>
<ul style="list-style-type: none"> <li>• <b>Paper 3</b> Any content from topics 1–8, including relevant practical skills</li> </ul>	30%	<b>2 hr exam – May/June</b>
<b>Practical endorsement in biology</b>		<b>Reported separately</b>

### CAREER PROSPECTS

Biology A Level opens a variety of doors for students. Many continue their studies at university on degrees including medicine, veterinary studies, environmental biology, teaching, physiotherapy, pharmacology, radiotherapy, dentistry and conservation to name but a few. It is also a useful qualification to those entering jobs such as environmental health, dental, nursing, various research posts and food production posts.