

## Sixth Form – A Level course Description

**Course title:** **Biology**

**Entry Requirements:**

Level 6 in GCSE Science

**Topics Covered:**

In Year 12	In Year 13
<ol style="list-style-type: none"><li>1. Biological molecules</li><li>2. Cells</li><li>3. Organisms exchange substances with their environment</li><li>4. Genetic information, variation and relationship between organisms</li></ol>	<ol style="list-style-type: none"><li>5. Energy transfers in and between organisms</li><li>6. Organisms respond to changes in their internal and external environments</li><li>7. Genetics, populations, evolution and ecosystems</li><li>8. The control of gene expression</li></ol>

**Exam Board:** AQA

**Details of Examinations:**

In Year 12	In Year 13
<p>AS Exam</p> <p>Exam code: 7401</p> <p>Exams take place during May – June.</p> <p>Students will sit 2 exams on topics 1-4 and relevant practical skills. The duration of each exam is 90 minutes and each paper is worth 75 marks. Each paper constitutes 50% of AS Biology. Both exams consist of short answer questions (65 marks) and</p>	<p>A Level Exam</p> <p>Exam code: 7402</p> <p>Exams take place during June.</p> <p>Students will sit 3 exams and are tested on the following topics</p> <p>Paper 1: Topics 1-4 and relevant practical skills</p> <p>Paper 2: Topics 5-8 and relevant practical skills</p> <p>Paper 3: Topics 1-8 and relevant practical skills</p>

long answer questions (10 marks).	The duration of each exam is 2 hours. Paper 1 and 2 consist of short and long answer questions (76 marks) and extended response questions (15 marks). Paper 3 consists of structured questions & practical techniques (38 marks), critical analysis of experimental data (15 marks) and an essay (25 marks)
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### **Post-18 Progression and Pathways to universities:**

There are a range of pathways which Biology can offer at university, including:

- Nature conservation officer
- Sustainability consultant
- Microbiologist
- Research Scientist

### **Enrichment:**

In this course, you will be offered the opportunity to acquire and develop practical enquiry skills using a range of specialist equipment.

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