



## Biology

Engage

Endeavour

Excel



**Entry Requirements:** Combined Science 6.6 / Biology 6 / Maths 6

**Pass Rate:** 100%

**Exam Board:** AQA

### **Trips & Events:**

- ScienceLive A-Level
- Field Studies Residential (subject to uptake)
- Biology Olympiad entry
- Higher Education lectures at Manchester University
- Practical Rat Dissections, delivered by Manchester University

**Student Voice:** *"The work covered in environmental biology has inspired me to pursue studies in sustainable architecture."*

**Student Voice:** *"I have really enjoyed developing my dissection skills and was able to use my skills to train younger pupils during activities delivered during Biology Week."*



# A Level Biology

## AQA Specification

### Year 12

An introduction to the organisation of life in respect of the biological molecules that are required by organisms and their role in cell biology, genetics and environmental diversity.

#### Content:

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

### Year 13

You will learn how organisms are designed to respond to their environment through physiological characteristics and biochemical processes. You will consider how the principles underpinning the theory of evolution in conjunction with the development of genetic information inform our understanding of how life on Earth continues to develop.

#### Content:

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

### A-Level Assessment

**Paper 1:** Any content from topics 1-4, including relevant practical skills.

**Paper 2:** Any content from topics 5-8, including relevant practical skills.

Each paper 2 hour written exam (91 marks in total)

15 marks: extended response questions

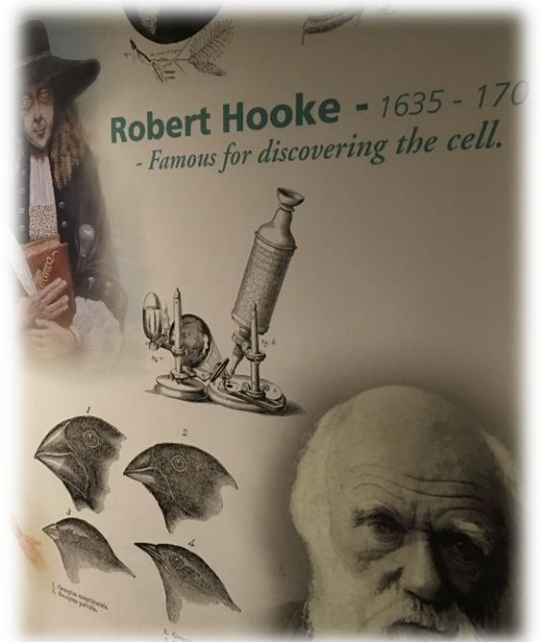
**Paper 3:** Any content from topics 1-8, including relevant practical skills.

2 hour paper (78 marks in total)

38 marks: structured questions, including practical techniques

15 marks: critical analysis of given experimental data

25 marks: one essay from a choice of two titles



## Beyond A Levels: Future Career Aspirations

If you have aspirations to work in the health or medical sector then A Level Biology will provide you with the skills and knowledge you will need to progress on to degrees, such as Pharmacology, Dentistry, Medicine and Sports Sciences. Likewise if your passion is protecting the environment you live in, A Level Biology will provide a doorway into degrees that cover environmental science and sustainable development.

