



Biology (AQA)

Programme of Study:

Year 1	Year 2
1. Biological molecules 2. Cells 3. Organisms exchange substances with their environment 4. Genetic information, variation and relationships between organisms	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
Assessment Paper 1: Any content from topics 1–4, including relevant practical skills Written exam: 2 hours. 91 marks. 35% of A-level Paper 2: Any content from topics 5–8, including relevant practical skills Written exam: 2 hours. 91 marks. 35% of A-level Paper 3: Any content from topics 1–8, including relevant practical skills Written exam: 2 hours. 78 marks. 30% of A-level	

Entry Requirements

6 in Biology if studying Triple Science at GCSE or G66 if studying Combined Science at GCSE.

Recommended Reading and Subject Enrichment

There are many popular science titles and journals that will give you a broader range of understanding of A-level biology. These include the following titles but there are many others.

1. *The Incredible Unlikelihood of Being*, Alice Roberts.
2. *The Epigenetics Revolution*, Nessa Carey.
3. **New Scientist** This is a weekly science magazine. <http://www.newscientist.com/>
4. **Nature**. This is an international weekly journal of science. <http://www.nature.com/>

As part of the course we run many enrichment activities:

Students have the opportunity to take part in the royal society for biology's biological Olympiad.

Each year at the end of year 12 they go on a fieldtrip to develop their ecology skills.

Students have the opportunity to take part in the Royal Society where they get to meet research scientists

Higher Education and Career Pathways

Students who study Biology often choose to pursue a career as a marine biologist, nature conservation officer, pharmacologist, research scientist, medical profession, higher education lecturer.

Complementary Subjects

Maths, Chemistry, Physics, Psychology



For Further Information

<https://rodingvalley.net/sixth-form/applying-for-sixth-form/>