

Biology

A-Level

What is the course about?

Biological science is always at a very exciting stage of development. Every week some new discovery in genetics is reported, as well as developments in areas such as medicine, agriculture and environmental management. The A level Biology course will take a closer look at many of these important issues but will also cover the fundamental principles needed to understand the science behind the headlines.

Which topics will I study in year 12 and 13?

Year 12

- | | |
|--------------------------|------------------------------------------------------|
| 1 - Biological Molecules | 3 - Organisms exchange and transport |
| 2 - Cells | 4 - Genetic information, variation and relationships |

Year 13

- | | |
|---------------------------------------|-----------------------------------------------------|
| 5 - Energy transfer between organisms | 7 - Genetics, populations, evolution and ecosystems |
| 6 - How organisms respond to changes | 8 - The control of gene expression |

Throughout the course students will have opportunity to learn, practise and demonstrate a range of practical skills. As well as helping with the understanding and learning of biological concepts these practical opportunities will also help students gain a deeper understanding of the process of scientific enquiry.

What kind of students is this course suitable for?

Students should be able to demonstrate an interest in the subject, as a wide variety of topics are covered in-depth. Students will need motivation, commitment and a willingness to develop and learn both independently and as part of a group.

What could I go on to do at the end of my course?

The vast majority of recent graduates in biological sciences have found employment in which their subject knowledge is relevant.

Employment opportunities are to be found in areas such as:

- Medicine & Veterinary Science
- The Health Service
- Environmental Science
- Genetics / Genetic Engineering
- The Food & Drink industry
- Pathology and Forensics

What if I need further advice or information?



Speak to a member of the department



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www.aqa.org.uk/subjects/science/as-and-a-level/biology-7401-7402

