

BIOLOGY

A Level Course

Description

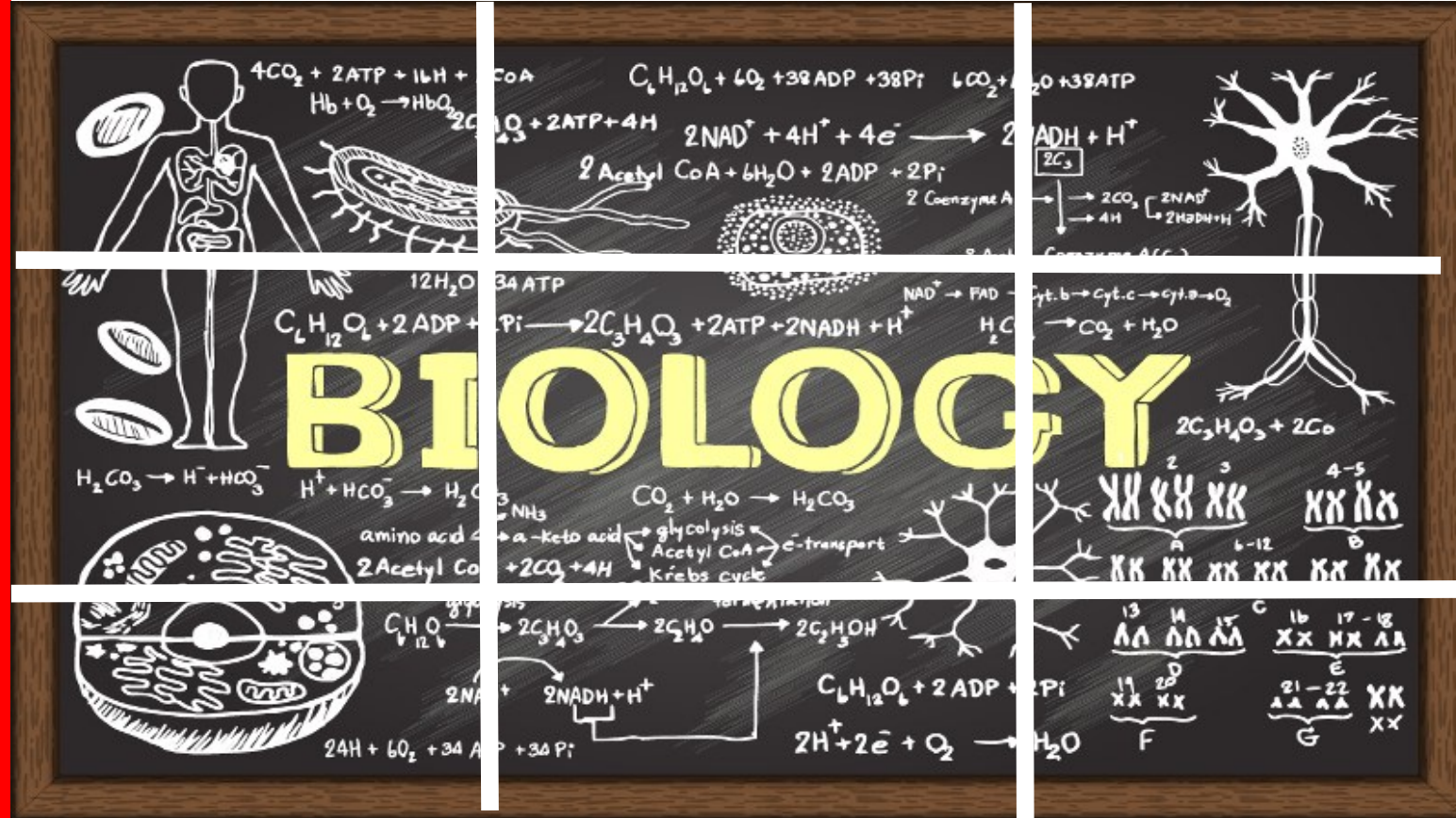
Biology is a fascinating subject, the study of which will see you learn about the natural world and all the living things within it. Gaining an A-level in this subject opens a wide range of opportunities for both university degrees and career options.

Students choose Biology for several reasons — perhaps they have a specific that requires a biology qualification in mind, or maybe they are simply interested in the human body, or in the natural world around us. Biology covers a broad range of topics and has aspects to interest a wide range of students.

A level Biology enables students to demonstrate a deep appreciation of the skills, knowledge and understanding of scientific methods, allowing them to develop competence and confidence in a variety of practical, research mathematical, and problem-solving, organisation and analytical skills. Students develop their interest in and enthusiasm for the subject, including developing an interest in further study and careers associated with the subject.

Entry Requirements

GCSE Average: 4.8. GCSE grade 6 in Maths, grade 5 in English, grade 77 in Science or grade 7 in single Biology



Progression

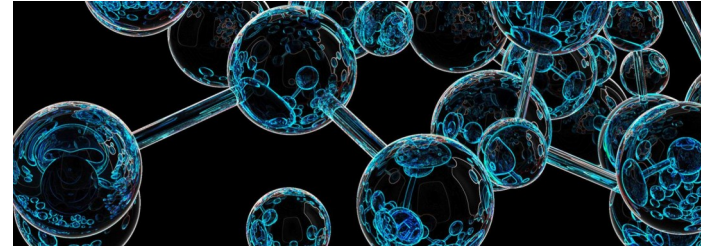
Biology A-level will give you the skills to make connections and associations with all living things around you. Biology literally means the study of life and if that's not important, what is? Being such a broad topic you're bound to find a specific area of interest, plus it opens the door to a fantastic range of interesting careers. Biology is a pre-requisite subject for many degrees in Biological Science and Medical related fields of study.

Possible degree options include: Biology, Psychology, Sport, Medicine, Anatomy, Physiology and pathology (Pharmacology), Toxicology and pharmacy (Chemistry).

Possible career options include: Doctor, Clinical Molecular geneticist, Nature conservation officer, Pharmacologist, Research scientist, Vet, Secondary school teacher, Marine Biologist, Dentist.



Course Details



- ◆ There is no coursework on this course
- ◆ There are three exams at the end of the two years for A level, all of which are two hours long. At least 15% of the marks for A level are based on what you learned in your practicals
- ◆ The AS has two exams at the end of the year. Both are 1 hour and 30 minutes long

“Biology at A-Level is a lot more challenging , but I really enjoy it, we go into so much more detail than GCSE. I have found the immune system fascinating, understanding the complex dynamic processes and the number of cells involved in making us immune to a pathogen is astounding, it’s like a microscopic war going on in your body”

“Biology at A-Level is really interesting, I have really enjoyed the cell cycle and how when this goes wrong it can lead to cancer. Understanding these processes is really important”

AS and first year of A-Level	Second year of A-Level
1. Biological molecules	5. Energy transfers in and out between organisms
2. Cells	6. Organisms respond to changes in their external environments
3. Organisms exchange substances with their environment	7. Genetics, Populations, evolution and ecosystems
4. Genetic information, variation and relationships between organisms.	8. The control of gene expression

Further Information

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Examination board: AQA
www.aqa.org.uk

