

A Level Biology



Exam Board: AQA

Entry Requirements: grade 6 or above in Biology or 6/6 in Combined Science

Why study Biology?

Biology is the study of the living world. Biologists try and understand how all organisms function from the largest sea mammal to humans to the smallest micro-organism. This can include their internal working to how they came to be here and their interactions with the environment. This knowledge can be used to advance medicine, improve public health or preserve and protect the natural world.

What does the course involve?

Core Content:

1. Biological Molecules
2. Cells
3. Organisms exchange substances with their environment
4. Genetic information, variation and relationship with the environment
5. Energy transfer in and between organisms
6. Organisms respond to change in their internal and external environment.
7. Genetics, populations, evolution and ecosystems
8. The control of gene expression

Paper 1	Paper 2	Paper 3
What's assessed Any content from topics 1– 4, including relevant practical skills	What's assessed Any content from topics 5 – 8, including relevant practical skills	What's assessed Any content from topics 1– 8, including relevant practical skills
Assessed written exam: 2 hours 91 marks •35% of A-level	Assessed written exam: 2 hours 91 marks •35% of A-level	Assessed written exam: 2 hours 78 marks •30% of A-level
Questions • 76 marks: a mixture of short and long answer questions • 15 marks: extended response questions	Questions • 76 marks: a mixture of short and long answer questions • 15 marks: comprehension question	Questions •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

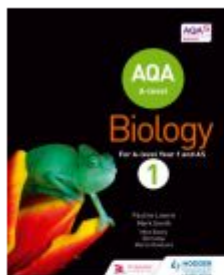
Where will Biology lead me post Sixth Form?

A highly regarded 'facilitator' A level, Biology will help those who are interested in pursuing a career within a STEM related industry and is particularly important for those interested in healthcare, medicine, sport and jobs involving animals. The skills you will develop will also be useful for a much wider field.

For more information please contact Mr. O'Connell: nick.oconnell@sirthomasfremantle.org

Recommended Text Books:

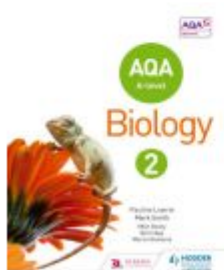
AQA A-level Biology 1



Authors: Pauline Lowrie, Mark Smith
Publisher: Hodder Education
ISBN-13: 978-1-4718-0761-9
Price: £25.99
Publication date: March 2015 - out now
Digital version - out now

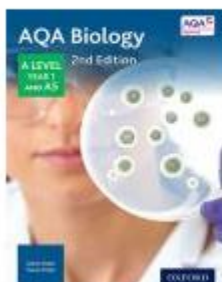
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AQA A-level Biology 2



Authors: Pauline Lowrie, Mark Smith
Publisher: Hodder Education
ISBN-13: 978-1-4718-0764-0
Price: £25.99
Publication date: November 2015 - out now
Digital version - out now

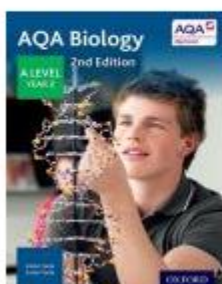
AQA A Level Biology Year 1 and AS (2nd edition)



Authors: Glenn Toole, Susan Toole
Publisher: Oxford University Press (including Nelson Thornes)
ISBN-13: 978-0-19-835176-4
Price: £24.99
Publication date: January 2015 - out now
Digital version - out now

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AQA A Level Biology Year 2 (2nd edition)



Authors: Glenn Toole and Susan Toole
Publisher: Oxford University Press (including Nelson Thornes)
ISBN-13: 978-0-19-835770-4
Price: £24.99
Publication date: September 2015 - out now
Digital version - out now