



# Biology

## Course objectives

Without doubt, Biology is the most exciting and fastest moving area of science today. It touches everyone's lives and promises solutions to many of the world's problems: by genetically engineering organisms to produce new drugs, creating gene banks for threatened species, devising fertility treatments, curing genetic diseases, and developing new sources of food.

This hugely enjoyable course aims to stimulate and to challenge, to educate and to inspire. You should gain sufficient insight to understand revolutionary breakthroughs that occur on a daily basis, and thus contribute to contemporary debates about issues such as the use of stem cells for Alzheimers and Parkinsons disease, or treatments for HIV.

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| Main qualifications         | <ul style="list-style-type: none"><li>• A Level</li></ul>   |
| Awarding Body               | <ul style="list-style-type: none"><li>• Edexcel Biology A (Salters Nuffield) from 2015</li></ul>  |
| Duration/ Lessons per week  | <ul style="list-style-type: none"><li>• 10 x 1 hour lessons over a two week timetable</li></ul>   |
| Standard entry requirements | <ul style="list-style-type: none"><li>• Combined Science 6,6</li><li>• Triple Science 6,6,5 (6 in Biology &amp; Chemistry)</li><li>• Mathematics: minimum grade 6</li><li>• English Language minimum Grade 5</li></ul>  |
| Progression opportunities   | <ul style="list-style-type: none"><li>• Biology is both a passport to higher education and is essential for many careers, such as medicine, veterinary science, physiotherapy, forensics, dentistry, pharmacology, sports science, conservation and all aspects of health care.</li><li>• Valued by employers, Biology at A-level offers proof of a capacity for structured thinking, problem solving, communication and organisational skills.</li></ul> |



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## Course content

- The course represents a new and innovative approach to advanced Biology, one that reflects the extraordinary growth in the subject at a higher level and recent advances in research.
- The course is delivered through eight real-life contemporary topics that include cardiovascular disease, genomes and genetic disease, developmental biology, forensics, ecology, sports science and neuroscience.
- During the course you will develop practical and study skills. You will be learning about and applying key ideas and concepts in new and different contexts.

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## Assessment

- This A-Level will be assessed by three written papers.
- 10% of marks will be for assessing mathematical skills in science.
- In addition you must take part in a number of 'core' practicals.

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## Costs

- Students will be invited to attend a conservation visit to Marwell Zoo at a cost of approximately £30 (subject to availability).
- Students will need to complete coursework as part of their Core Practical requirement at a cost of approximately £15

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## Additional information

- Further information about the course: <http://www.qualifications.pearson.com/en/qualifications/edexcel-a-levels/biology-a-2015.html>

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## Contact

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