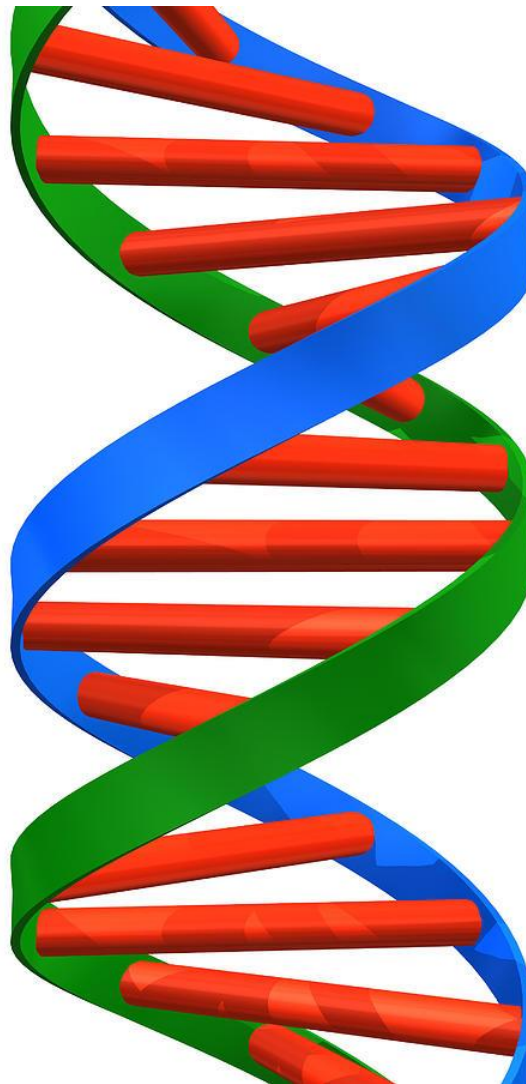


A LEVEL BIOLOGY



INFORMATION ABOUT THE A LEVEL BIOLOGY COURSE

- All assessment will be by examination only (there will be no practical examinations)
- The course is linear, with assessment at the end of the second year
- The course includes practical skills assessed by teachers (practical endorsement) and reported separately, alongside the qualification grade on the certificate. Performance in the practical skills will not affect the grade awarded
- The course includes specified practical work that must be undertaken by learners in order that they are suitably prepared for the written examinations
- The assessment of mathematical skills will form an integral part of the examinations

PRACTICAL COMPETENCIES

- Following written procedures
- Applying investigative approaches
- Safely using a range of practical equipment
- Making and recording observations
- Researching and writing reports

YEAR 1 SUBJECT CONTENT

Basic Biochemistry and Cell Organization:

- Chemical elements are joined together to form biological compounds
- Cell structure and organization
- Cell membranes and transport
- Biological reactions are regulated by enzymes
- Nucleic acids and their functions

Requirements for Life:

- Adaptions for gas exchange
- Adaptions for transport
- Adaptions for nutrition
- Homeostasis and the Kidney
- The Nervous System
- Immunology

APPROACHES TO LEARNING

We have a flexible teaching approach but understand the need to complete homework, respect deadlines and set high standards.

There are number of opportunities to carry out practical activities, to develop practical skills and extend your biological knowledge both in the laboratory and in the field.

We have exceptional facilities with the latest equipment in dedicated Biology laboratories.

We have a range of online learning and assessment materials.

A LEVEL ASSESSMENT

Students will be assessed by three written examinations in the summer of year 2.

Component 1 – Energy for Life

Written examination: 2 hours

33.33% of qualification

This includes topics such as the importance of ATP, population size and ecosystems and human impact upon the environment

Component 2 – Continuity of Life

Written examination: 2 hours

33.33% of qualification

This provides an opportunity to study sexual reproduction, inheritance, applications of genetics

Component 3 – Requirements for Life

Written examination: 2 hours

33.33% of qualification

This unit focuses on organs and systems where you will study the physiology of structures such as the kidney & the nervous system. In addition, we choose an optional topic which is Immunology and Disease.

WHY CHOOSE BIOLOGY?

This course is vital to many careers such as medicine, dentistry, science and veterinary science, but also opens up great opportunities in diverse fields. The search for plentiful, healthy foods, new medicines, and sustainable agriculture



always requires the versatile, investigative and analytical skills of biologists, which are also valued in many non-scientific industry sectors. The course is suitable for progression to biological and medical courses. Biology is required for courses such as medicine, dentistry or veterinary medicine.

FAQ's

What are the entry requirements for A Level Biology?

- 2 Grade 6's either both in Combined Science or 2 grade 6's in Triple Science, one of which is Biology (Higher Tier paper).
- Minimum Grade 5 in English Language
- Minimum Grade 5 in Maths

Please bear in mind, there is some mathematical content in A Level Biology so students also study Core Maths if they are not already studying A Level Mathematics.

CONTACT US:

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