How to apply

- Complete and return an application form. Application forms are available from the Wellington Academy website at: www.thewellingtonacademy.org.uk
- Your completed application should be returned to Dave Bissington, Head of 6th Form, this can be done either via your tutor (if internal) or delivered to the school reception
- Alternatively, please complete an online form, found under 2022 - Applications on the 6th Form tab on the school website.
- You will have an individual course consultation, during which provisional courses will be agreed.

  The offer of the course will be conditional upon you meeting the required entry grades, any subject specific criteria and having a suitable reference from your previous school.

  Your final interview will be held immediately after you have received your GCSE results. This is when your actual offer is negotiated and confirmed.

The Wellington Academy

proud to be part of ROYAL WOOTTON BASSETT ACADEMY TRUST

www.thewellingtonacademy.org.uk

The Wellington Academy
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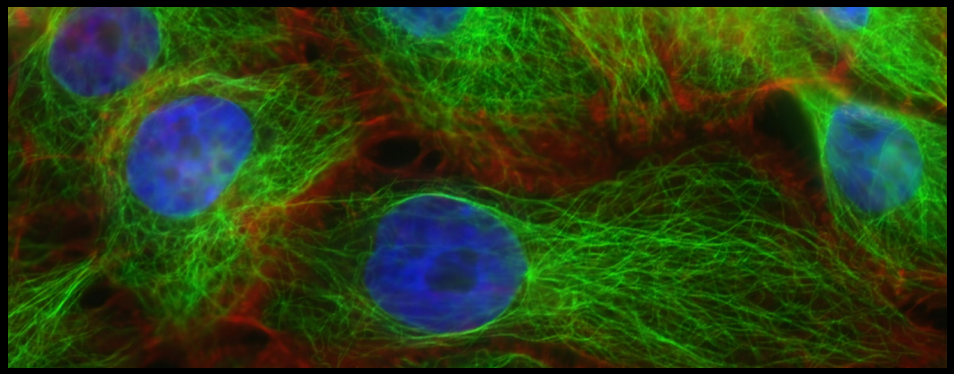
6th Form Courses

BIOLOGY



- How does DNA work?
- Can I explain evolution?
- How do organisms respond to change?
- How is energy transferred between organisms?

By studying Biology you will be able to answer all these questions and more!

"Biology is the study of complicated things
that have the appearance of having been designed with a purpose."
Richard Dawkins

A Level Biology (AQA)

What is the course like?

In A Level biology you will look at how organisms experience similar problems to survive and have evolved different solutions to these. We will look at how the building blocks of life and the interactions with the abiotic and biotic environment are linked to the variety of life we find. We will look at the details, such as the biological molecules and cells, but put these together to look at the bigger ideas, such as how our bodies maintain a steady internal environment

Biologists also develop transferable skills in numeracy, data handling, computing and I.T. We will develop and evaluate written material and present both written and verbal reports. These are very important skills for any future career.

Course content

Key areas that will be studied over the course.

- Biological molecules
- Cells
- Organisms exchange substances with their environment
- Genetic information, variation and relationship between organisms

- Energy transfers in and between organisms
- Organisms respond to changes in their internal and external environments
- Genetics populations, evolution and ecosystems
- The control of gene expression

Entry requirement

A grade 6 in GCSE Biology or Triology
A grade 5 in GCSE Mathematics and English

Duration

2 years.

How will I be assessed?

There is no coursework in this course. However, your performance during practicals will be assessed. 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 Biology are based on what you learn in practicals.

Where does it lead?

Upon completion of your A-level, you will be equipped for Higher Education at University. It will equip you for a wide range of careers including: medicine, veterinary science, scientific research, marine biology, nursing, sports science, agriculture and teaching.

According to bestcourse4me.com, the top seven degree courses taken by students who have and A-level in biology are:

- Biology
- Psychology
- Pre-clinical Medicine
- Clinical Medicine
- Pharmacology
- Anatomy and Physiology
- Sport and Exercise Science

Is this course suitable for me?

Yes if you enjoy finding out about how the natural world works or what makes our bodies function. You will need to be analytical and enjoy problem solving, finding answers and practical work.

Additional Information

You will start the first term with a two week biology skills topic followed by Cells and Biological molecules modules.

You will be regularly assessed on: mathematical skills, literacy skills, practical skills and investigation skills throughout your topics to ensure a fast pace to the course to enable you to make excellent progress.

You will be taught by a team of enthusiastic and highly experienced specialists.

Other reasons to study Biology

- Links with Wellington College
- Educational trips to Universities
- Practical work forms a large part of the course
- Chance to become a STEM ambassador
- Modern, well-equipped lab space