

# A level Biology

## at Conyers Sixth Form



**What happens when a nerve impulse travels down our neurones? Why do some people have allergies? Can we really create clones? Why do some peoples genetics make them more predisposed to getting cancer? These are all questions you will be able to answer after studying A level Biology, the fascinating science of living things, what they do and why they do it.**

### Course content

1. Biological molecules
2. Cells
3. Organisms exchanging substances
4. Genetic information and variation
5. Energy transfers in and between organisms
6. Organisms response to the environment
7. Genetics, populations, evolution and ecosystems
8. The control of gene expression



### Assessments

At the end of year 13 you will take three papers, each 2 hours long.

- Minimum 10% of the marks are maths skills
- Minimum 15% of the marks are practical skills

You will also be required to complete a write up 12 practicals within the two years

### Opportunities and experiences in Biology

- Visits and talks including RSPB Saltholme
- In 2020 we are hosting Operating Theatre Live—become a doctor for the day!
- Dissections
- Links within the community to help you gain work experience in this field



# What can you do with A level Biology?

## Careers include:

- Medicine and other healthcare professions (physiotherapy, radiography, nursing, nutrition, midwifery, dentistry)
- Lab based roles (immunology, biomedical engineers)
- Forensic science
- Ecology and Conservation
- Teaching

## Veterinary Medicine



What you need: A level Biology, Chemistry and one other subject, all A's

"I specifically enjoy learning about the kidneys, how they regulate water and filter the blood. Over the two years at Conyers Sixth Form I've gained masses of experience in veterinary medicine and had opportunities to prep for my interviews and applications" - Rachel

## Pharmacy

What you need: AAB including Chemistry and Biology

"Conyers Sixth Form has given me the support needed to get me confidently through my A level courses and given me opportunities to find and carry out work experience. My favourite aspects of Biology has been learning about immunity and how the body responds to pathogens" - Usvah



**Biology Exam Board:** AQA

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