

# A LEVEL BIOLOGY

## OVERVIEW

This course offers a broad, modern, contextual and challenging approach to the study of A Level Biology. Students will be given the opportunity to develop their knowledge starting with the fundamental principles of Biology. The topics covered will enable students to develop both depth and breadth of understanding of the biological world. Topics range from the fundamentals of genetics and inheritance, the human immune system, physiology, evolution and biochemistry, culminating in the study of how all this knowledge is currently being applied in modern scientific research. Students will also study genetic engineering, gene regulation and expression in the fields of oncology and epigenetics. An understanding of the scientific method is developed and built upon through practical lessons which are essential for anyone wishing to go on to study science at university.

## ENTRY REQUIREMENTS

Grade 6 in GCSE Biology or 6,6 in GCSE Combined Science and Grade 5 in GCSE Mathematics

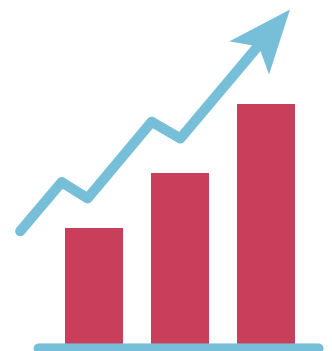
## ASSESSMENT

### Three external examinations:

- Paper 1 = 35%
- Paper 2 = 35%
- Paper 3 = 30%

## COURSE UNITS

- Cells
- Biological Molecules
- Exchange and Transport
- Genetics
- Energy Transfer
- Homeostasis
- Populations and Ecosystems
- Control of Gene Expression



# FUTURE OPPORTUNITIES

The study of Biology at A Level is suitable for anyone wishing to pursue a career in any biological or health-related field. Previous students have gone on to study and establish careers in medicine, dentistry, veterinary science, physiotherapy, nursing, teaching, biomedical science, forensic science and sports science.

For further information, contact us:

-  01924 483666
-  [enquiries@mirfieldcollege.co.uk](mailto:enquiries@mirfieldcollege.co.uk)
-  Mirfield College  
Kitson Hill Road  
Mirfield, WF14 9EZ