

# Biology **SIXTH FORM**

*Don't be anonymous...  
...be remarkable*

A level Biology is the study of life and the world around us. You will learn about a wide range of topics from molecular Biology to the study of ecosystems and from micro organisms to mammals. It offers the opportunity to examine the background to areas such as GM foods, conservation of species, cloning and vaccines. The skills acquired in the study of Biology equip students for a variety of careers as well as higher education courses. The course will also ensure a thorough grounding in scientific techniques and the ability to analyse data and evaluate experiments.

## Course Content (OCR)

### AS level

Module 1: Development of practical skills in Biology

Module 2: Foundations in Biology

Module 3: Exchange and Transport

Module 4: Biodiversity, Evolution and Disease

### A level

Module 5: Communication, Homeostasis and Energy

Module 6: Genetics, Evolution and Ecosystems

## Skills Gained

The ability to follow methods, plan and conduct practical work and draw conclusions.

To analyse data, looking for patterns that explain the world around us.

To explain complex phenomena in a way that can demonstrate understanding.

Problem solving skills , practical and mathematical.

The ability to evaluate.

To apply knowledge to a wide variety of different scenarios.

## Trips / Cultural Experiences

Dorset coastline - sampling techniques

## The Future - What Next?

Biology A level will prepare students for a career or further study in Biology, Medicine, Veterinary science or other science related areas. Students who attain A level Biology are sought after by universities and graduates can end up in a wide variety of careers ranging from research based to conservation or forensics.



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**A Level**

**56 UCAS points available**

## Student Profile

A successful student will need:

Grade 6 in GCSE Biology or in Combined Science.

Grade 6 in GCSE Mathematics.

A scientifically inquisitive mind - someone who asks questions about the world around them.

Determined, self-motivated and prepared to work hard.

Work well independently and as part of a small group.



**The Park  
Academies  
Trust**