

Biology

A Level Specification: AQA 7402

Contact: Mrs C Hussey

What will I study?

Year 1

You will study cell Biology which builds on your GCSE knowledge and then adds depth to the topic. You will study a new topic called Biological molecules, which will combine aspects of Biology and Chemistry. You will also learn about DNA and protein synthesis. The final topic covers gas exchange, the heart and circulatory system.

Year 2

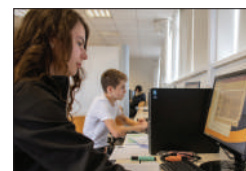
In year 2, you will build on the knowledge of DNA and study how DNA is used in medicine and new technologies. You will learn in depth about the human body including how nerves transmit electrical impulses and we revisit homeostasis from GCSE. Inheritance and evolution are also covered in year 2.

How will I be assessed?

We will use end of topic tests as well as formal mock exams. White board questioning is used in lessons. There will be 12 required practicals throughout the two years where you will be assessed on practical skills. In your final exams you will take three papers, which test your knowledge and application of Biology.

How will I Learn?

There are so many different ways to learn. You will have two teachers whose individual teaching styles will be different. Teaching and learning activities include, PowerPoint lessons, discussions, practical work, white board work, exam question practice, which you will undertake both in group work and independently. There will also be a significant amount of verbal questioning.



What skills will I need?

Determination and motivation are the two greatest assets to an A-level Biologist. You will need good recall skills and you will develop the ability to apply your knowledge to unknown scenarios. You will learn how to interpret and evaluate. You will need to develop the confidence to ask if you are unsure.

Careers and Progression

Biology opens many doors for your future. Any career involving research and medicine including veterinary work, Food Science, Forensics, Physiotherapy and Sports Science can also be options. Any work in the environmental sector and conservation are also options if you study A-level Biology.

A truly **comprehensive** Sixth Form with **success** and **opportunity** for all

