

AQA - BIOLOGY (8461) - CHEMISTRY (8462) - PHYSICS (8463)



Full course details can be found at www.aqa.org.uk

Course Choice Guide

Literacy	☆	☆	☆	☆	
Numeracy	☆	☆	☆	☆	
Creativity	☆	☆	☆		
Communications	☆	☆	☆		
Practical	☆	☆	☆	☆	
Group Work	☆	☆	☆	☆	

Teaching, Learning & Assessment

Each separate Science is a single award and together are worth three GCSEs. Each is assessed by two, 1 hour and 45-minute exams.

100%

VISION OF DEPARTMENT

We aim to provide all students with a wide range of first-hand Science-based activities and experiences. In this way we aim to stimulate students' natural curiosity and resilience, improve their scientific literacy and develop the enquiry skills that are essential for both scientific investigation and problem-solving in everyday life. We aim to foster an interest in and a passion for Science, both within the school and in the wider community, thus raising the awareness of its place and role in society.

SUMMARY OF COURSE

Each course will be taught in discrete topics that are drawn from the separate disciplines: Biology, Chemistry and Physics.

Biology topics:

Cell biology
Organisation
Infection and response
Bioenergetics
Homeostasis and response
Inheritance, variation and evolution
Ecology

Chemistry topics:

Atomic structure and the periodic table
Bonding, structure and the properties of matter
Quantitative chemistry
Chemical changes
Energy changes
The rate and extent of chemical change
Organic chemistry
Chemical analysis
Chemistry of the atmosphere
Using resources

Physics topics:

Energy
Electricity
Particle model of matter
Atomic structure
Forces
Waves
Magnetism and electromagnetism
Space physics

WHAT IT CAN LEAD TO AT COLLEGE AND BEYOND

Successful grades in Biology, Chemistry and Physics will allow you to study further qualifications in any of the sciences at college. Students that study 'Triple Science' in school frequently go on to continue studying them at college.

Jobs in Science stretch across so many different fascinating areas. If you thought that the differences between Biology, Chemistry and Physics were complex enough, then you are in for a shock. Thousands of specialisms exist, from astrophysics and marine biology to zoological sciences and pharmacology.

EXTRA-CURRICULAR COMMITMENT, ENTRY REQUIREMENTS AND ADDITIONAL INFORMATION

The top attainers at Key Stage 3 will be offered a place on our Triple Science course. Students will be expected to undertake independent review and revision of the topics studied throughout the course, using the knowledge organisers supplied at the beginning and throughout each topic. A weekly homework will be of approximately 1 hour in length.

FOR MORE INFORMATION, PLEASE CONTACT MR DOE