

AQA - COMBINED SCIENCE (TRILOGY) - (8464)



Course Choice Guide

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

Teaching, Learning & Assessment

Combined Science is a double award and worth two GCSEs. It is assessed by six, 1 hour and 15-minute exams.

100%

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

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

The 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

WHAT IT CAN LEAD TO AT COLLEGE AND BEYOND

Successful grades in Combined Science will allow you to study further qualifications in any of the sciences 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

All students will be able to study Combined Science. 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