

SUBJECT

Biology, Chemistry and Physics GCSE

DEPARTMENT

Science

QUALIFICATION

Three GCSEs Grades 9-1

EXAM BOARD

AQA



This course is aimed at students wishing to gain 3 GCSEs for Science. The course enables students to further develop their interest in science and is most suited to students wishing to take science further than GCSE. It is a more academically challenging course than Combined Science and so may not be appropriate for all students.

How is the course assessed?

There will be two exam papers for each subject - Biology, Chemistry and Physics. All papers are 1 hour 45 minutes. Question types are: multiple choice, structured, closed short answer and open response. There is no coursework but there are 30 compulsory practicals.

Biology

Two papers: Each is worth 50% of the grade and has 100 marks available.

Chemistry

Two papers: Each is worth 50% of the grade and has 100 marks available.

Physics

Two papers: Each is worth 50% of the grade and has 100 marks available.

What subject specific topics are covered during the course?

Biology

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

Chemistry

- 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

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

What can students use the course for?

Students can progress to study A Levels in Biology, Chemistry or Physics or other Level 3 qualifications in Science which will enable them to read Science degrees in STEM subjects.