Curriculum Overview 2026 Onwards

Curriculum Area: Combined Science (Trilogy) Year: 11

Curriculum covered

From September 2025. This continues to cover the content from the Paper 2 GCSE science exams.

Autumn Term

Biology – (B5 Paper 2) Homeostasis and Response: homeostasis, nervous system & hormones.

Chemistry – (C7 Paper 2) Organic Chemistry: crude oil, hydrocarbons and alkanes, fractional distillation, cracking & alkenes

Physics – (P5 Paper 2) Forces: types of forces, work done, elasticity, motion, Newton's laws, braking & momentum

Physics – (P6 Paper 2) Waves: transverse, longitudinal, wave properties & electromagnetic waves.

Spring Term

Biology – (B6 Paper 2) Variation, Inheritance & Evolution: reproduction, variation, evolution, development of genetics & classification.

Chemistry – (C8 Paper 2) Chemical Analysis: pure substances, formulations, chromatography & common gas tests.

Chemistry – (C9 Paper 2) Chemistry of the Atmosphere: composition and evolution of Earth's atmosphere, greenhouse gases, climate change & pollutants.

Chemistry – (C10 Paper 2) Using Resources: sustainable development, potable & wastewater, reducing use & life cycle assessments

Physics – (P7 Paper 2) Magnetism and electromagnetism: Permanent magnets, induced magnets, fields,

Internal Assessment

In lesson time pupils will use formative assessments to check understanding at the point of learning to allow immediate intervention.

After every topic there will be an end of topic test that follows a similar structure to the GCSE exam papers. These will be approximately every term for each of Biology, Chemistry and Physics. Each topic test has been designed to be in line with exam board requirements for demand and mathematical content. The feedback from these tests will be used to improve the pupil's knowledge in this topic.

Year 11 pupils will sit 2 mock exams before the final may examinations; The mock 1 at the end of term 1 will be a paper 1 style GCSE paper for each Biology, Chemistry and Physics.
The mock 2 during term 2 will be a paper 2 style GCSE paper for each Biology, Chemistry and Physics.

Exam Board/Exam Paper Requirements/% Weighting
Key dates (mocks and final exams

AQA Combined Science Trilogy GCSE (2 GCSEs) –

There are six papers sat in May/June of Year 11.
Each paper is 1 hour 15 minutes each and 70 marks.
Each paper is 16.7 % of the overall double GCSE award.
The six papers are Biology Paper 1, Biology Paper 2, Chemistry Paper 1, Chemistry Paper 2, Physics Paper 1 & Physics Paper 2.
Each of the papers will assess knowledge and understanding from distinct topic areas.
Questions will comprise of multiple choice, structured, closed short answer, and open response.

Helpful resources/revision guides/websites/exam preparation

Specification GCSE Combines Science (Trilogy):
www.aqa.org.uk/subjecs/science/gcse/combined-science-trilogy-8464
BBC GCSE Bitesize Science
http://www.bbc.co.uk/education/subjects/zrkw2hv
Educake Science
http://www.educake.co.uk
Revision guides
AQA Trilogy combined science revision guides are sold from school, or many other versions are available elsewhere.