Curriculum Overview 2026 Onwards

Curriculum Area: Combined Science (Trilogy) Year: 10

Curriculum covered

From September 2025. This continues to cover the content from the Paper 1 GCSE science exams.

Autumn Term

Biology – (B2 *Paper 1*) Organisation: animal & plant tissues, organs and organ systems, health & lifestyle issues.
Chemistry – (C2 *Paper 1*) Bonding: ionic bonding, covalent bonding, metallic bonding, and their properties.
Chemistry – (C3 *Paper 1*) Quantitative chemistry: chemical measurements, conservation of mass, chemical equations, amount and masses, concentration.
Physics – (P1 *Paper 1*) Energy: energy stores, power, efficiency, dissipation and national and global energy resources.

Spring Term

Biology – (B3 *Paper 1*) Infection and response: types, spread and defence of disease, vaccinations, drugs & uses.
Biology – (B4 *Paper 1*) Bioenergetics: photosynthesis, limiting factors, respiration, metabolism, exercise.
Chemistry – (C4 *Paper 1*) Chemical changes: reactivity of metals, reactions of acids, electrolysis
Chemistry – (C5 *Paper 1*) Energy changes: exothermic and endothermic reactions, reaction profiles & energy changes
Physics – (P2 *Paper 1*) Electricity: circuit symbols, DC circuits electricity, mains electricity, power and national grid

Summer Term

Biology – (B7 *Paper 2*) Ecology: adaptations, interdependence, competition, ecosystems, biodiversity & humans.
Chemistry – (C6 *Paper 2*) Rate and extent of chemical change: rate of reaction, reversible reaction & yield
Physics – (P5 *Paper 2*) Forces: types of forces, work done, elasticity, motion, Newton's laws, braking & momentum

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 10 pupils will sit a Year 10 exam in April which will be a Paper 1 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.