

Science (compulsory)

Learners will have 9 Science lessons a fortnight, and follow one of three courses.

More able and talented pupils will study 'triple science', earning 3 separate GCSE qualifications in Biology, Chemistry, and Physics. The remaining pupils will study either GCSE Double Award Science (earning two GCSEs), or GCSE Single Award Applied Science (earning one GCSE). Both courses provide balanced coverage of all three sciences.

Each pathway involves written exams and practical assessments. Examination papers for all courses are tiered, with learners sitting either higher (A*-D grades) or foundation (C-G grades).

GCSE Triple Science Overview

Units	Content/Assessment Type	Weight
Unit 1:	Biology: Cells, Organ Systems, Ecosystems - 1 hour 45min written examination.	45%
	Chemistry: Chemical Substances, Reactions, Essential Resources - 1 hour 45 min written examination.	45%
	Physics: Electricity, Energy, Waves - 1 hour 45 min written examination.	45%
Unit 2:	Biology: Variation, Homeostasis, Micro-organisms - 1 hour 45 min written examination.	45%
	Chemistry: Chemical Bonding, Applications of Chemical Reactions, Organic Chemistry - 1 hour 45 min written examination.	45%
	Physics: Forces, Space, Radioactivity - 1 hour 45 min written examination.	45%
Unit 3:	Biology/Chemistry/Physics: practical assessment.	10%

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GCSE Science Double Award Overview

Units	Content/Assessment Type	Weight
Unit 1:	Biology 1: Cells, Respiration, Digestion, Circulatory System, Photosynthesis, Ecosystems - 1 hour 15min written examination.	15%
	Chemistry 1: Chemical Substances and Reactions, Atomic Structure, Chemical Change - 1 hour 15 min written examination.	15%
	Physics 1: Electricity, Circuits, Energy, Features of Waves - 1 hour 15 min written examination.	15%
Unit 2:	Biology 2: Classification, Biodiversity, Cells, DNA, Variation, Evolution, Disease and Treatment - 1 hour 15 min written examination.	15%
	Chemistry 2: Bonding, Acids and Bases, Metals, Chemical Energy, Fuels - 1 hour 15 min written examination.	15%
	Physics 2: Speed and Acceleration, Newton's Law, Stars and Planets, Radiation - 1 hour 15 min written examination.	15%
Unit 3:	Practical assessment.	10%

GCSE Applied Science (Single Award) Overview

Units	Content/Assessment Type	Weight
Unit 1	Science in the Modern World - 1 hour 30 min written examination.	30%
Unit 2	Science to Support Our Lifestyles - 1 hour 30 min written examination.	30%
Unit 3	Task based assessment.	20%
Unit 4	Practical assessment.	10%