

KS4 Curriculum – English

Subject content

GCSE covers

Biology: Cell Biology, Organisation, Infection and Response, Bioenergetics, Homeostasis, Reproduction and Ecology

Chemistry— Atomic Structure, Bonding and Structure, Chemical Changes, Rate of Reaction, Chemical Analysis, Using Resources, Atmospheric Chemistry, Organic Chemistry and Quantitative Chemistry.

Physics—Energy, Electricity, Matter, Atomic Structure, Forces, Waves, Electromagnetism and Space.

All students study these subjects but triple science will study these units in more detail.

The Double Science GCSE are examined by 2 papers each for Biology, Chemistry and Physics of 75 minutes long.

The separate GCSE's are examined with 2 105min exams for each subject.

ASSESSMENT

The Double Science GCSE are examined by 2 papers each for Biology, Chemistry and Physics of 75 minutes long.

The Biology Chemistry and Physics GCSEs are examined through 2 papers each of 1 hour 45 minutes and 100 marks each.

For both Double and Separate Science GCSE's the exam papers cover the same units, though for triple there is more content.

Biology Paper 1 – 1hr 15min, 70 Marks

Covers Cell Biology, Organisation, Infection and Response and Bioenergetic

Biology Paper 2 - 1hr 15min, 70 Marks

Covers: Homeostasis and Response, Inheritance, Variation and Evolution and Ecology

Chemistry Paper 1 – 1hr 15min, 70 Marks

Covers: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.

Chemistry Paper 2 – 1hr 15min, 70 Marks

Covers: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.

Physics Paper 1 – 1hr 15min, 70 Marks

Covers: Energy; Electricity; Particle model of matter; and Atomic structure.

Physics Paper 2 – 1hr 15min, 70 Marks

Covers: Forces; Waves; and Magnetism and electromagnetism

The separate GCSE's are examined with 2 105min exams for each subject.