

What can I do after this course?

Following completion of the combined science course, students achieving the Sixth Form entry requirements could move on to studying A-level

For further information contact:

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GCSE Combined Science

(Double Award)



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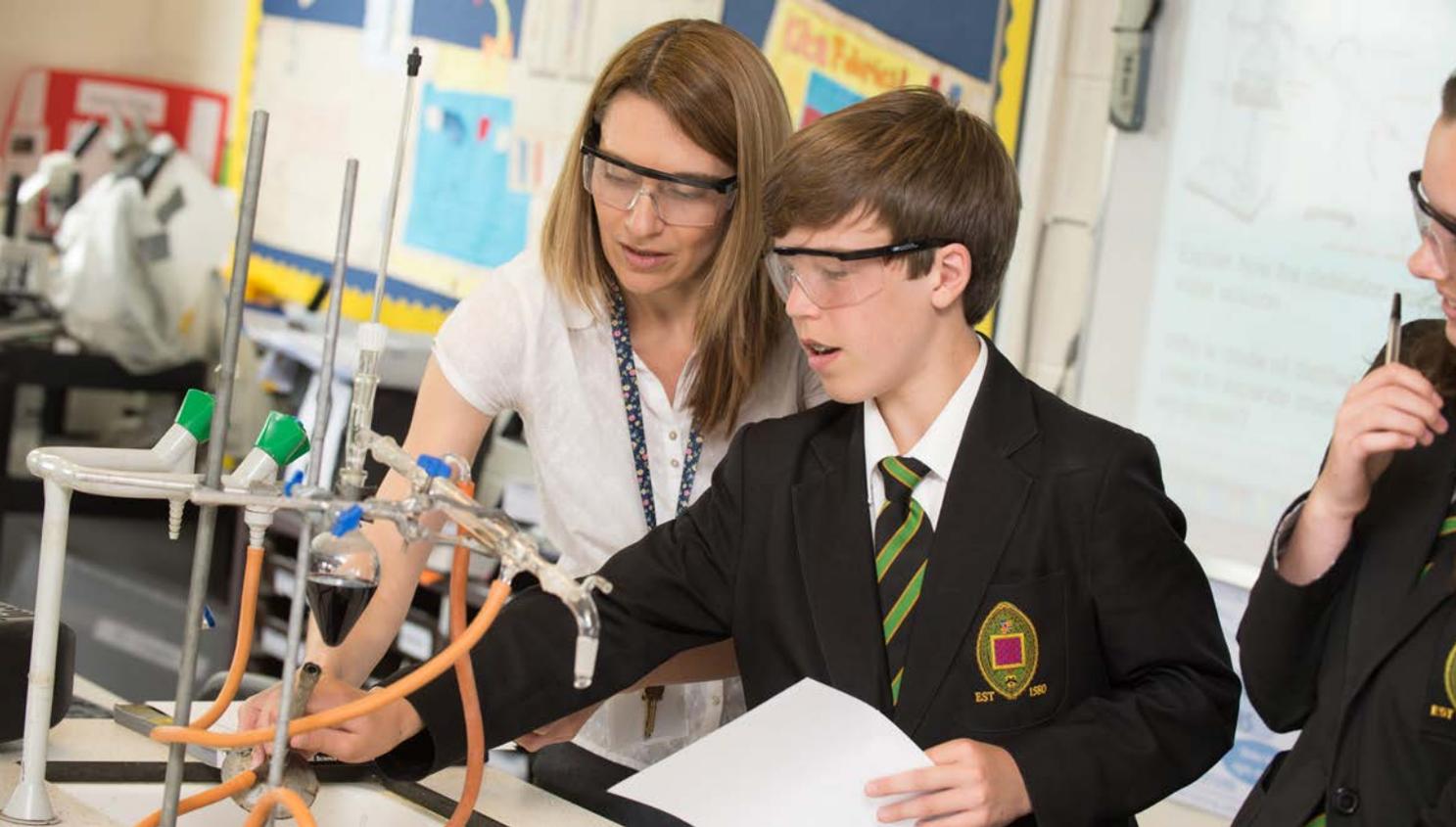
Subject Guide Key Stage 4

GCSE
Combined Science

(Double Award)

Course starting September 2022





How will I be assessed?

The course constitutes two GCSEs, both assessed together in exams at the end of Year 11. Practical skills will account for 15% of GCSE marks and are assessed in the written exams.

How is this course delivered?

Students are taught in ability sets in both Year 10 and Year 11.

The learning is delivered through a range of activities including laboratory based practical work.

There is a strong theme of developing scientific skills and students are encouraged to challenge their understanding and apply their knowledge beyond the classroom.

What will I learn?

Combined science provides the foundations for understanding the material world. Scientific understanding is changing our lives and is vital to the world's prosperity. All students will be taught essential aspects of science, including its theories, methods, processes and uses.

Combined science should enable students to:

- Develop scientific knowledge and understanding
- Answer scientific questions about the world around them
- Develop and apply observational, practical, modelling, enquiry and problem-solving skills, both in the laboratory and in the field.
- Critically analyse scientific claims

The areas of science you will explore are:

Biology: cell biology; transport systems; health, disease and the development of medicines; coordination and control; photosynthesis; ecosystems; inheritance, variation and evolution.

Chemistry: atomic structure and the Periodic Table; structure, bonding and the properties of matter; chemical changes; energy changes in chemistry; the rate and extent of chemical change; chemical analysis; chemical industries, Earth and atmospheric science.

Physics: energy; forces; forces and motion; waves in matter; light and electromagnetic waves; electricity; magnetism and electromagnetism; particle model of matter; atomic structure.