

KS4 Science

- GCSE (9-1) Combined Science B OCR

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Aims

- GCSE Combined Science B encourage students to be inspired, motivated and challenged by following a broad, coherent, practical, satisfying and worthwhile course of study.
- Stimulates students' curiosity and encourage them to engage with science in everyday lives and to make informed choices about further study and about career choices.

Description of course

- GCSE Combined Science B provides the foundation for understanding the material world.
- Students study biology, chemistry and physics. Practical skills are embedded within the specification.

Specification overview

- There are six teaching topics for each of the sciences.
- Students are entered for either the Foundation tier or the Higher tier.
- This qualification is worth two GCSEs.

Specification overview

Biology

- Chapter B1: You and your genes.
- Chapter B2: Keeping healthy.
- Chapter B3: Living together – food and ecosystems.
- Chapter B4: Using food and controlling growth.
- Chapter B5: The human body – staying alive.
- Chapter B6: Life on Earth – past, present and future.



Specification overview

Chemistry

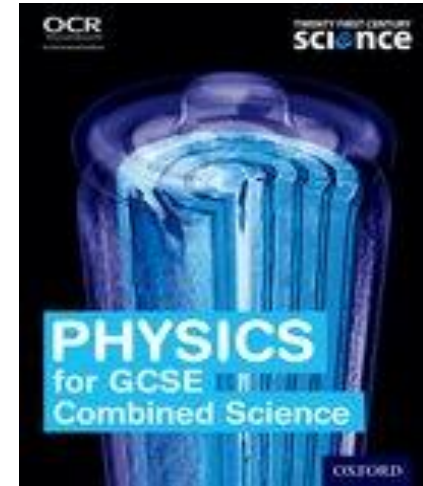
- Chapter C1: Air and water.
- Chapter C2: Chemical patterns.
- Chapter C3: Chemicals of the natural environment.
- Chapter C4: Material choices.
- Chapter C5: Chemical analysis.
- Chapter C6: Making useful chemicals.



Specification overview

Physics

- Chapter P1: Radiation and waves.
- Chapter P2: Sustainable energy.
- Chapter P3: Electric circuits.
- Chapter P4: Explaining motion.
- Chapter P5: Radioactive materials.
- Chapter P6: Matter – models and explanations.



Essential skills

- Build essential maths, literacy and working scientifically skills to boost marks in GCSE Science and ensure that students reach their potential.

Workload

- Key words and Exam Style Questions to practise for each topic.
- Revise for an internal End of Topic Test at the end of each topic.

Scheme of assessment

- Linear qualification with 100% external assessment.
- The students will sit four papers (either Foundation or Higher Tier):
 - Biology paper assesses content B1-B6.
 - Chemistry paper assesses content C1-C6.
 - Physics paper assesses content P1-P6.
 - Combined paper assesses all practical skills content.
- Each paper has a duration of 1 hour and 45 minutes and worth 95 marks.

Final award

- 9-9 (highest) to 1-1 (lowest):
 - Foundation tier (grades 5-5 to 1-1).
 - Higher tier (grades 9-9 to 4-4).

Progress to

Clear progression from KS3 to GCSE and A Level through to higher education, or other post-16 courses and employment.