



JOHN F KENNEDY
CATHOLIC SCHOOL

INSPIRE • ACHIEVE • SERVE

Year 11 Raising Achievement

GCSE Combined Science - Trilogy

GCSE Biology

GCSE Chemistry

GCSE Physics

Exam board and specification



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At John F Kennedy Catholic School, we follow the AQA course for all of our GCSE courses. The full course specifications can be found below:

GCSE Combined Science - Trilogy [here](#)

GCSE Biology [here](#)

GCSE Chemistry [here](#)

GCSE Physics [here](#)

Students can be entered for Foundation or Higher papers on both combined and separate sciences. This is determined by prior performance.

The Exams - Combined Science



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Subject	Paper 1		Paper 2	
	Length	Content (specification ref.)	Length	Content (specification ref.)
Biology	1hr 15mins	Biology topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.	1hr 15mins	Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.
Chemistry	1hr 15mins	Chemistry topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.	1hr 15mins	Chemistry topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.
Physics	1hr 15mins	Physics topics 18–21: Energy; Electricity; Particle model of matter; and Atomic structure.	1hr 15mins	Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism

The Exams - Separate Sciences



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Subject	Paper 1		Paper 2	
	Length	Content (specification ref.)	Length	Content (specification ref.)
Biology	1hr 45mins	Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.	1hr 45mins	Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.
Chemistry	1hr 45mins	Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.	1hr 45mins	Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.
Physics	1hr 45mins	Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.	1hr 45mins	Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

Resources



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Students have access to a wealth of revision resources through the [student portal](#).

We also provide the following subscription services:

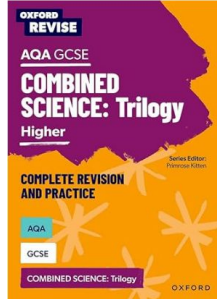
- Kerboodle - all text books, key words and revision checklists can be accessed [here](#).
- **Focus e-learning** - this is a platform that allows students to revise the required practicals for the course.
- **Seneca** - students are regularly set retrieval practice via Seneca for homework, but they can revisit and revise topics as often as they like.

Recommended texts (Combined):



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For GCSE Combined Science (Trilogy) students



- **Oxford Revise: AQA GCSE Combined Science Higher Revision and Exam Practice**

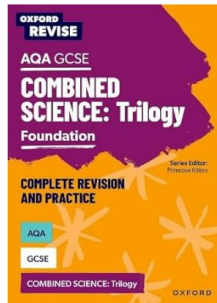
ISBN-10

ISBN-13



1382004877

978-1382004879



- **Oxford Revise: AQA GCSE Combined Science Foundation Revision and Exam Practice**

ISBN-10

ISBN-13



1382004869

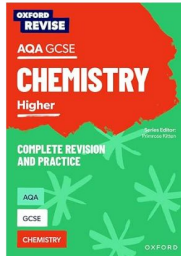
978-1382004862

Recommended texts (Separate Sciences):



JOHN F KENNEDY
CATHOLIC SCHOOL

Oxford Revise: AQA GCSE Chemistry Revision and Exam Practice



ISBN-10

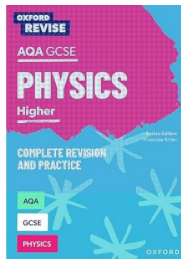
ISBN-13



1382004850

978-1382004855

Oxford Revise: AQA GCSE Physics Revision and Exam Practice



ISBN-10

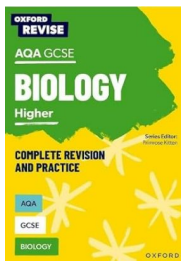
ISBN-13



1382004885

978-1382004886

Oxford Revise: AQA GCSE Biology Revision and Exam Practice



ISBN-10

ISBN-13



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How to revise:



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Reading and making notes is ineffective. You need to be using active learning techniques to help you recall key information.

Retrieval questions - these are available via Seneca, Kerboodle or in the recommended revision guide.

Past paper questions - available via the AQA website or websites like Physics and Maths tutor.

Whole past papers - the more you do the better!

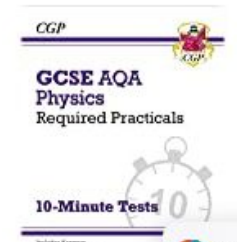
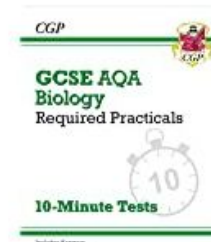
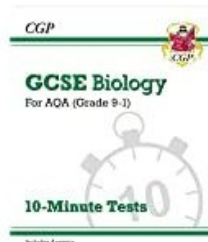
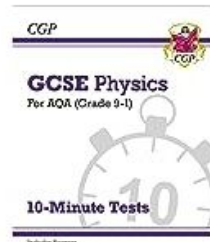
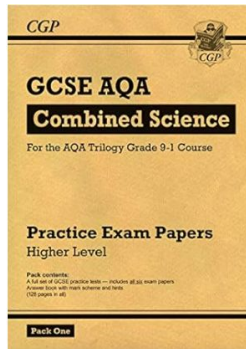


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Other recommended resources:

[Physics and Maths tutor](#) a site where you can download whole papers or topic packs of past paper questions.

The **ten minute tests series** by CGP - short achievable chunks of revision that students can self assess:



And finally, CGP practice papers - for when you run out of past papers!