



Subject Presentation Video: Triple Science

2024-25

Supporting you to make an informed decision

If you have any questions, please contact me on: clevy@corearena.academy or
kcurtis@corearena.academy

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DELIVERING A CORE EDUCATION

Triple Science

How will I be assessed?

Triple Science is **ALL** exam based. You will sit **six** exams (1 hour 45 minutes each). You will sit two exams for Biology, two for Physics and two for Chemistry

What additional Topics will be covered that don't appear in the Combined Science Course?

- The Eye
- The Brain
- Fuel Cells
- Hydrogen Cells
- Space and Astronomy
- Moments and Turning Forces
- Microbiology



Are there different tiers?

Yes there is a Higher and Foundation tier for the course. We will aim for every student to undertake the Higher tier, however Mock exam performance may indicate that it might be suitable for specific students to sit the Foundation paper.

Are students in the top set only allowed to study Triple Science?

No, all students can select the Triple Science course. Anyone interested in Science and willing to work hard can select the subject. Triple Science students will have 8 hours of Science lessons

What is required?

A natural interest in science and the world around us. Commitment to hard work and dedication to achieve. You will not like this course if you are not ready to work equally hard for all three disciplines as you must study and undertake all three GCSEs

Career Opportunities

- Medicine
- Research
- Education
- Engineering
- Physiotherapy and Sport Science
- Astronomy
- Diet and Exercise
- Manufacturing and Petrochemicals

Course Demands

- Students who are passionate about Mathematics and Science will particularly enjoy the Triple Science course.
- Students will study Biology GCSE (seven topics), Chemistry GCSE (ten topics) and Physics GCSE (eight topics) with AQA.
- The Combined Science course has 5 lessons per week but if you choose the Triple Science course you will have 8 lessons per week due to the additional content of the course.

At the end of Year 11 students will sit:
2x Biology exams (1hr 45 mins each)
2x Chemistry exams (1hr 45 mins each)
2x Physics exams (1hr 45 mins each)



GCSE Triple Science (Biology, Chemistry, and Physics) provides a solid foundation for a wide range of careers in STEM fields (Science, Technology, Engineering, and Mathematics) and beyond. Here is a broad list of careers linked to each science subject, followed by those that overlap multiple disciplines:

Biology-related Careers

- **Biotechnologist** - Works on developing new products and technologies using biological processes.
- **Biomedical Scientist** - Conducts laboratory tests to diagnose and treat diseases.
- **Pharmacologist** - Studies how drugs interact with biological systems to develop new medications.
- **Environmental Scientist** - Studies and addresses environmental issues like pollution and conservation.
- **Healthcare Professional (Doctor, Nurse, etc.)** - Works in various roles to treat and care for patients.
- **Food Technologist** - Ensures food products are safe and meet regulations.

Chemistry-related Careers

- **Chemical Engineer** - Develops processes to produce chemicals and materials.
- **Pharmacist** - Prepares and dispenses medications, offering advice on their use.
- **Food Chemist** - Studies the chemical makeup of food products to ensure safety and quality.
- **Cosmetic Scientist** - Develops and tests products like skincare and makeup.
- **Petroleum Engineer** - Works on extracting oil and gas from the Earth.

Physics-related Careers

- **Engineer (Civil, Mechanical, Electrical, etc.)** - Applies physics principles to design, build, and maintain structures and machines.
- **Radiographer** - Uses imaging technologies to diagnose and treat patients.
- **Nuclear Scientist** - Works with nuclear energy and radiation in energy production or healthcare.
- **Aerospace Engineer** - Designs and tests aircraft, spacecraft, and related systems.
- **Acoustical Engineer** - Studies and applies sound wave principles in various industries.
- **Optical Physicist** - Develops technologies related to light and optics, like lasers and lenses.
- **Meteorologist** - Studies weather patterns and forecasts climate changes.



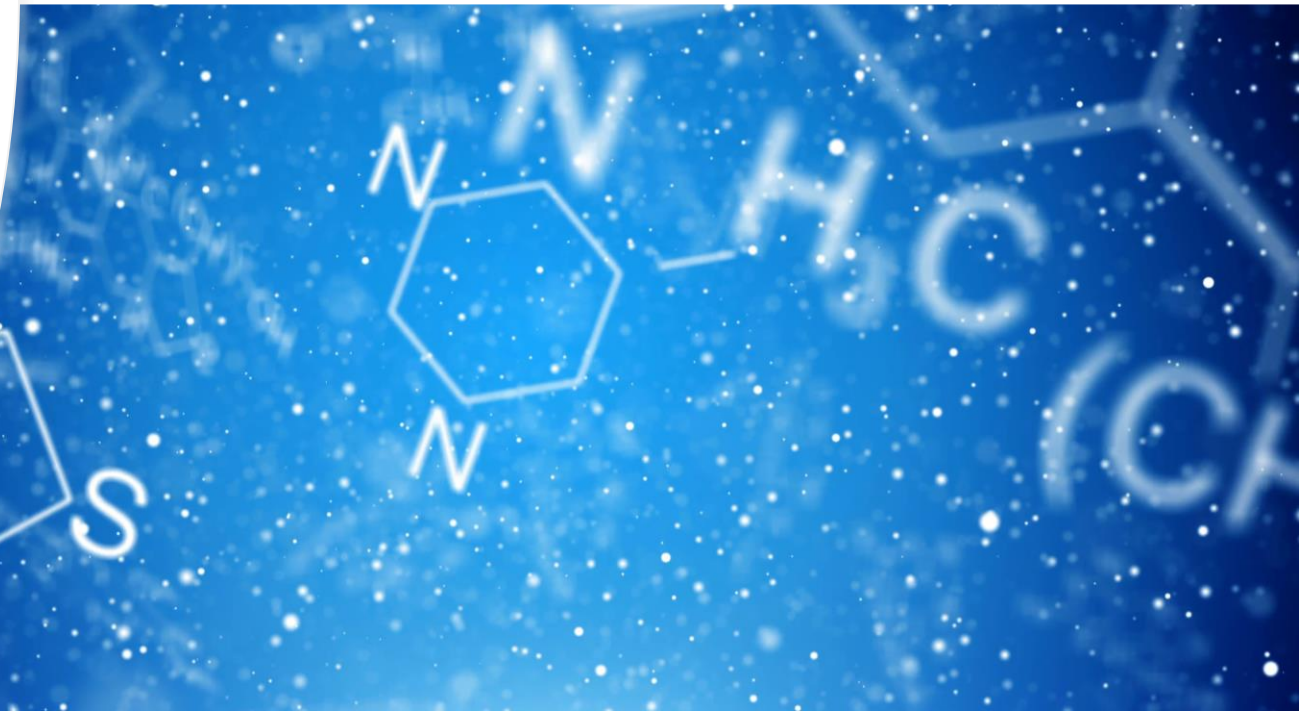
What students think

"I love Triple Science because it helps me understand how the world works, from the tiniest cells to the biggest stars."

"It challenges me to think critically and solve real-world problems using science."

"Triple Science gives me a head start for A-Levels and prepares me for a career in medicine."

"I enjoy the practical experiments, especially in Chemistry and Biology. It makes learning more hands-on and fun"



Online Resources

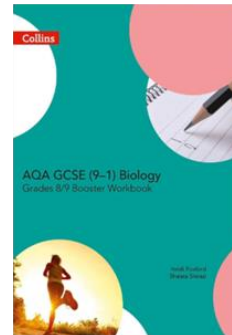
Educake Seneca BBC Bitesize GCSE Pod

Student Book



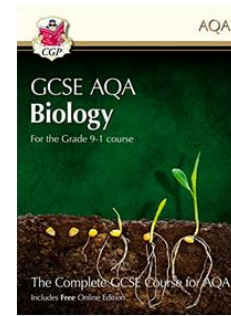
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8-9 Work Book

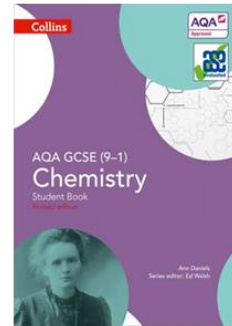


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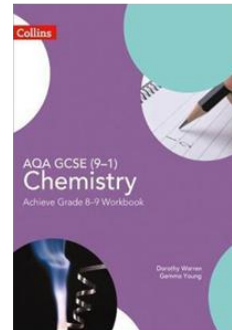
Text Book



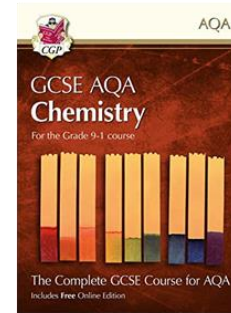
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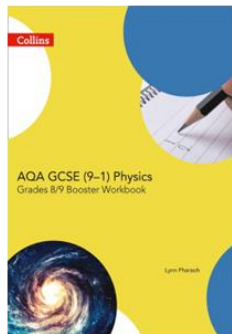
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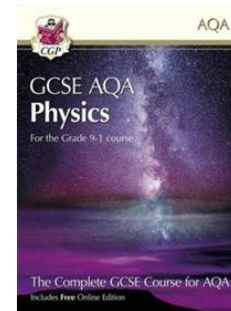
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