



King's Academy
Prospect

Separate Sciences

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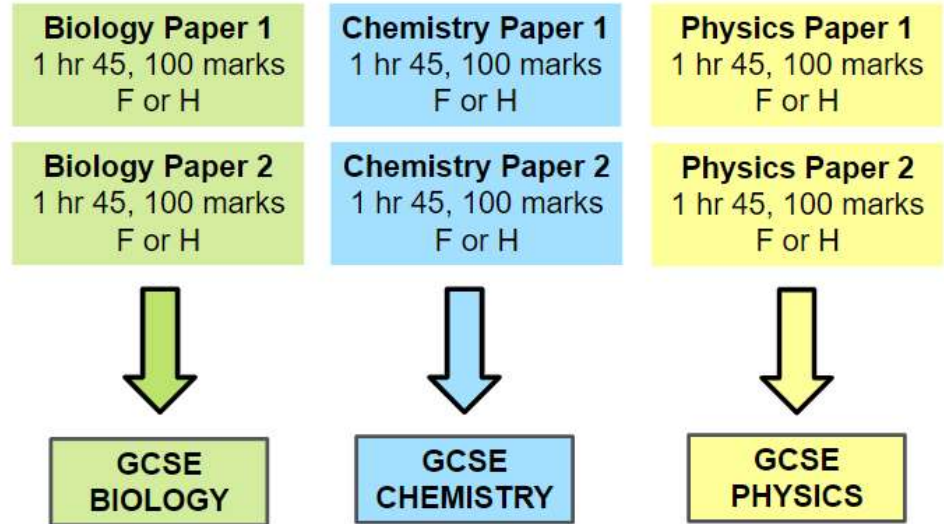
Qualification overview

- AQA
- Three separate GCSEs in Biology, Chemistry and Physics (“Triple Science”)
- All students study Combined Science with nine hours of lesson time. Separate sciences students will have an additional 5 hours.
- Lessons are taught by specialist subject teachers.
- Suitable (but not required) for students continuing science subjects to A-level.



Assessment overview

- Summative assessments
 - Two GCSE exams per subject
 - 1 hr 45 each
 - Foundation or higher tier
- Formative assessments
 - End of topic tests
 - End of year 10 exam (paper 1)
 - Mock exams in year 11



Spec At a Glance

Biology	Chemistry	Physics
Paper 1	Paper 1	Paper 1
Cell biology	Atomic Structure and the Periodic Table	Energy
Organisation	Bonding, structure and the properties of matter	Electricity
Infection and Response	Quantitative Chemistry	Particle model of matter
Bioenergetics	Chemical Changes	Atomic Structure
Paper 2	Energy Changes	Paper 2
Homeostasis and responses	Paper 2	Forces
Inheritance, variation and evolution	Rate and Extent of Chemical Change	Waves
Ecology	Organic Chemistry	Magnetism and electromagnetism
	Chemical Analysis	Space (GCSE only)
	Chemistry of the atmosphere	
	Using Resources	

To be successful, you must



- Enjoy science - you will have at least one lesson per day!
- ***Be curious about the world around you*** and want to understand more about your life and our place in the universe.
- Work hard - there is a lot of content to memorise and a lot of skills to build and develop.
- Be organised and self-disciplined - there is more practical work.
- Be ambitious - the “best” students in the country study separate sciences and you will compete with them for the top grades.
- Have high levels of numeracy and literacy. Students will need to be able to interpret and analyse both written information and data.

Embryologist Bacteriologist
Biochemist Laboratory Technician
Ecologist Pharmacist Government
Chemist Marine Biologist
Zoologist Geologist Veterinarian
Physicist **SCIENCE** Biologist
Computer Science Astronomer
Surgeon Lab Assistant
Microbiologist Physician
Forensic Scientist Environmentalist
Neuroscientist
Researcher Seismologist

College Professor

Next steps

- A-level Biology, Chemistry and Physics
- Apprenticeships or work-related training
- Linked careers
 - Medicine and healthcare
 - Engineering
 - Pharmaceuticals and biotechnology
 - Environmental science
 - Forensic science
 - Veterinary science
 - Geology
 - Scientific communication
 - Scientific journalism, education and teaching

And many, many, more!

- *Students going on to pursue STEM careers earn on average 20% more than their peers.*
- *STEM-related careers are growing at double the rate of other sectors!*



Why Triple Science?



- Number of GCSEs
- Content Depth
- Grading
- Strong Interest in Science
- Future Career Aspirations
- A-Level Preparation
- Higher-Level Understanding
- Individual Subject Strengths

Questions?

