

Science

Combined Science	Separate Sciences
2 GCSEs	3 GCSEs
AQA Combined Science (8464)	AQA Biology (8461)
	AQA Chemistry (8462)
	AQA Physics (8463)
6 exam papers	6 exam papers
1 hour 15 minutes per paper	1 hour 45 minutes
10 hours of Science per fortnight	15 hours of Science per fortnight

Combined Science	Separate Sciences
21 equations to recall and use	23 equations to recall and use
7 equations they can select from the Physics data sheet and apply	12 equations they can select from the Physics data sheet and apply
20% of available marks are assigned to mathematical skills	Biology - 10% of available marks are assigned to mathematical skills Chemistry - 20% of available marks are assigned to mathematical skills Physics - 30% of available marks are assigned to mathematical skills

Biology

	Combined Science	Separate Sciences
Paper 1 Content	Cell Biology, Organisation, Infection & Response, Bioenergetics	Cell Biology, Organisation, Infection & Response, Bioenergetics
Paper 2 Content	Homeostasis & Response, Inheritance, Variation & Evolution, Ecology	Homeostasis & Response, Inheritance, Variation & Evolution, Ecology
Available marks per paper	70 marks	100 marks
% of the GCSE	Each paper worth 16.7%	Each paper worth 50%
Type of questions featured in exam papers	multiple choice, structured, closed short answer and open response	multiple choice, structured, closed short answer and open response
Tier of entry	Higher or foundation	Higher only

Chemistry

	Combined Science	Separate Sciences
Paper 1 Content	Atomic Structure & Periodic Table, Bonding, Structure & Properties of Matter, Quantitative Chemistry, Chemical Changes, Energy Changes	Atomic Structure & Periodic Table, Bonding, Structure & Properties of Matter, Quantitative Chemistry, Chemical Changes, Energy Changes

Paper 2 Content	Rate & Extent of Chemical Change, Organic Chemistry, Chemical Analysis, Chemistry of the Atmosphere, Using Resources	Rate & Extent of Chemical Change, Organic Chemistry, Chemical Analysis, Chemistry of the Atmosphere, Using Resources
Available marks per paper	70 marks	100 marks
% of the GCSE	Each paper worth 16.7%	Each paper worth 50%
Type of questions featured in exam papers	multiple choice, structured, closed short answer and open response	multiple choice, structured, closed short answer and open response
Tier of entry	Higher or foundation	Higher only

Physics

	Combined Science	Separate Sciences
Paper 1 Content	Energy, Electricity, Particle Model of Matter, Atomic Structure	Energy, Electricity, Particle Model of Matter, Atomic Structure
Paper 2 Content	Forces, Waves, Magnetism & Electromagnetism	Forces, Waves, Magnetism & Electromagnetism, Space Physics
Available marks per paper	70 marks	100 marks
% of the GCSE	Each paper worth 16.7%	Each paper worth 50%
Type of questions featured in exam papers	multiple choice, structured, closed short answer and open response	multiple choice, structured, closed short answer and open response
Tier of entry	Higher or foundation	Higher only

Resources

- Educake - online homework and assessment tool but can be used for independent revision. Students have their own log in details on a sticker at the front of their planner
- Focus Elearning - videos, animations, simulations of required practicals
Log in details: www.focusealrning.co.uk
Username: student@balshawsce212 Password: 3jg3rajxf
- CenturyTech - students have their own log in details. They may be assigned nuggets on this to complete for homework but they can work through the nuggets independently.
- GCSEpod - short podcasts which help with subject specific vocabulary and definitions of vocabulary
- CGP Revision Guides and Workbooks - may be used for students to consolidate knowledge and understanding independently
- CGP Revision Cards - optional to purchase