KS4 Overview

Overview for Double Award

	Unit 1 Biology	Unit 1 Chemistry	Unit 1 Physics	Unit 2 Biology	Unit 2 Chemistry	Unit 2 Physics	Unit 7a Practical	Unit 7b Practical
Exam details	External written examination Students answer compulsory structured questions that include short responses, extended writing and calculations.	External written examination Students answer compulsory structured questions that include short responses, extended writing and calculations	. External written examination Students answer compulsory structured questions that include short responses, extended writing and calculations	External written Examination Students answer compulsory structured questions that include short responses, extended writing and calculations.	External written Examination Students answer compulsory structured questions that include short responses, extended writing and calculations.	External written Examination Students answer compulsory structured questions that include short responses, extended writing and calculations.	three pre-release practicals Biology (1hour), Chemistry (1 hour) Physics(1 hour)	External written examination compulsory structured questions that include short responses, extended writing and calculations, all set in a practical context for Biology, Chemistry and Physics
Topics included in the unit	• Cells • Photosynthesis and plants • Nutrition and food tests • Enzymes and digestion • The respiratory system, breathing and respiration • Nervous system and hormones • Ecological relationships and energy flow	• Atomic structure • Bonding • Structures • Nanoparticles • Symbols, formulae and equations • The periodic table • Quantitative Chemistry • Acids, bases and salts	Motion Force Density and kinetic theory Energy Atomic and Nuclear physics	• Osmosis and plant transport • The circulatory system • Reproduction fertility and contraception • Genome, chromosomes DNA and genetics • Variation and natural selection • Health disease, defence mechanisms and treatments	• Metals and the reactivity series • Redox, rusting and iron • Rates of reaction • Equilibrium • Organic chemistry • Quantitative chemistry • Electrochemistry • Energy changes in chemistry • Gas Chemistry	• Waves • Light • Electricity • Magnetism and electromagnetism • Space Physics	• Carry out an experiment from a list of prescribed experiments • Analysing experimental data	• Planning an investigation • Analysing experimental data • Drawing conclusions from an experiment

Duration of test	1 hour	1 hour	1 hour	1 hour 15 mins	1 hour 15 mins	1 hour 15 mins	3 x 1 hour	3 x 30 mins
Tier of entry available	Foundation and Higher Tiers (note unit 7 is one over all tier of entry determined on the basis of unit 2 B, C and P pupils sitting higher in two of more are entered for higher tier)							
Sat	May year 11	May year 11	May year 11	Summer year 12	Summer year 12	Summer year 12	March year 12	Each sat after the U2 paper
resit	Feb year 12	November year 12	Novembe r year 12					
% weightin g	11	11	11	14	14	14	7.5	17.5
Minimu m UMS for a C	40	40	40	51	51	51	90	

Note pupils with maximum UMS in foundation (unit 1's = 48 unit 2's = 61 unit 7 = 109 total = 436)- (or can drop 16 UMS across combination) to get an overall C*B(420) but Will NOT BE ABLE to do A LEVEL

Minimum UMS to secure CC in total is: 360

If candidates are entered for higher in year 11 and do not achieve minimum UMS = 30 = E they will be awarded a U (ie 29 = U grade)

As exam entries are made in February the strongest evidence for tier of entry is the Track 2 Christmas test. Pupils achieving C* or higher will be entered for Higher tier.

Unit 1

A	B	C*	C	D	E	F	G
53	49	45	40	33	27	20	14

Unit 2

A	B	C*	C	D	E	F	G
68	62	57	51	42	34	26	17

Qualification results

The **maximum** uniform mark for the final award is 600. The **minimum** uniform mark required for each final grade is as follows:

A*A*	A*A	AA	AB	BB	BC*	C*C*	C*C
543	**511**	480	462	438	420	402	378

CC	CD	DD	DE	EE	EF	FF	FG	GG
360	330	300	270	240	210	180	150	120

Please note:	The *Uniform Mark boundaries* will not change for the lifetime of this specification whereas the *Raw Mark boundaries* will be set independently in each examination series. If you are planning to use the Raw Mark boundaries to estimate future performance and grades they must be used with caution as they are prone to change each series. The A* grade is not awarded for individual units - it is only awarded at subject level. A*A* and A*A are now derived grades set independently in each examination series. If you are planning to use these boundaries to estimate future A*A* and A*A boundaries they must be used with caution as they are prone to change.