

Summary of Exam Grade Boundaries and Outcomes

In Summer 2022 the GCSE Chemistry practical Unit 3 was an optional omission. Candidates had the option to sit all units and be graded through the standard grading route or to only sit the mandatory units 1 and 2 and omit the practical unit 3 and be graded through the alternative grading route.

Unit 1 results

For each written unit (B1, C1 and P1), there are 60 raw marks available at Foundation Tier and 70 at Higher Tier.

The **maximum** uniform mark for each unit is 66. The **minimum** uniform mark required for each grade is as follows:

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

Candidates entering for Foundation Tier can achieve a maximum uniform mark score of 48 in each Unit 1.

Unit 2 results

For each written unit (B2, C2 and P2), there are 70 raw marks available at Foundation Tier and 80 at Higher Tier.

The **maximum** uniform mark for each unit is 84. The **minimum** uniform mark required for each grade is as follows:

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

Candidates entering for Foundation Tier can achieve a maximum uniform mark score of 61 in each Unit 2.

Unit 7 – Practical Skills

For practical and written Unit 7, there are 45 raw marks available for Practical Booklet A (15 marks for each Biology, Chemistry and Physics) and 105 raw marks available for Practical Booklet B (35 marks for each Biology, Chemistry and Physics) for both Foundation and Higher Tiers.

The **maximum** uniform mark for Unit 7 is 150. The **minimum** uniform mark required for each grade is as follows:

A	B	C*	C	D	E	F	G
120	110	101	90	75	60	45	30

Candidates entering for Foundation Tier can achieve a maximum uniform mark score of 109 in this unit.

Summary of Exam Grade Boundaries and Outcomes

Qualification results**Standard Grading (All Units)**

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
544	515	480	462	438	420	402	378

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

Alternative Grading (Unit 7 Omitted)

The **maximum** uniform mark for the final award is **450**. The **minimum** uniform mark required for each final grade is as follows:

A*A*	A*A	AA	AB	BB	BC*	C*C*	C*C
408	386	360	347	329	315	302	284

CC	CD	DD	DE	EE	EF	FF	FG	GG
270	248	225	203	180	158	135	113	90

Grading notes

- Alternative Grading - candidates may choose to avail of the omission and complete only the mandatory units.
- Standard Grading - candidates may complete all units.
- Candidates that complete all units will be awarded the best grade through either Grading Route.
- Subject Level Uniform Mark boundaries (grades A to G) carry the same % weighting across both Grading Routes: i.e. A 80%, B 73%, C* 67%, C 60%, D 50%, E 40%, F 30% and G 20%
- UMS boundaries at Unit Level are stable for the lifetime of the specification and will not change.
- Raw Mark boundaries at Unit Level are set independently in each examination series.
- Using this series' Raw Mark boundaries to estimate future boundaries must be used with caution as they change.
- A* is only awarded at subject level and is a derived grade set independently in each examination series. The A* UMS % weighting will be applied equally to both Grading Routes.
- Using this series', A* boundary to estimate future A* boundaries must be used with caution as it changes

Unit 1 – Foundation Tier

Biology: GDW11 Cells, Living Processes and Biodiversity		
Grade	Raw Mark	UMS
MAX	60	48
C*	38	45
C	29	40
D	20	33
E	11	27
F	2	20
G	1	14

Chemistry: GDW21 Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis		
Grade	Raw Mark	UMS
MAX	60	48
C*	30	45
C	23	40
D	16	33
E	9	27
F	2	20
G	1	14

Physics: GDW31 Motion, Force, Moments, Energy, Density, Kinetic Theory, Radioactivity, Nuclear Fission and Fusion		
Grade	Raw Mark	UMS
MAX	60	48
C*	35	45
C	27	40
D	18	33
E	10	27
F	2	20
G	1	14

Unit 1 – Higher Tier

Biology: GDW12 Cells, Living Processes and Biodiversity		
Grade	Raw Mark	UMS
MAX	70	66
A	51	53
B	44	49
C*	37	45
C	31	40
D	25	33
E	22	30

Chemistry: GDW22 Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis		
Grade	Raw Mark	UMS
MAX	70	66
A	39	53
B	31	49
C*	23	45
C	16	40
D	9	33
E	5	30

Physics: GDW32 Motion, Force, Moments, Energy, Density, Kinetic Theory, Radioactivity, Nuclear Fission and Fusion		
Grade	Raw Mark	UMS
MAX	70	66
A	48	53
B	38	49
C*	28	45
C	19	40
D	10	33
E	5	30

Unit 2 – Foundation Tier

Biology: GDW41		
Body Systems, Genetics, Microorganisms and Health		
Grade	Raw Mark	UMS
MAX	70	61
C*	34	57
C	26	51
D	18	42
E	10	34
F	2	26
G	1	17

Chemistry: GDW51		
Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry		
Grade	Raw Mark	UMS
MAX	70	61
C*	31	57
C	24	51
D	16	42
E	9	34
F	2	26
G	1	17

Physics: GDW61		
Waves, Light, Electricity, Magnetism, Electromagnetism and Space Physics		
Grade	Raw Mark	UMS
MAX	70	61
C*	31	57
C	24	51
D	16	42
E	9	34
F	2	26
G	1	17

Unit 2 – Higher Tier

Biology: GDW42		
Body Systems, Genetics, Microorganisms and Health		
Grade	Raw Mark	UMS
MAX	80	84
A	58	68
B	46	62
C*	34	57
C	23	51
D	12	42
E	6	38

Chemistry: GDW52		
Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry		
Grade	Raw Mark	UMS
MAX	80	84
A	52	68
B	39	62
C*	26	57
C	14	51
D	2	42
E	1	38

Physics: GDW62		
Waves, Light, Electricity, Magnetism, Electromagnetism and Space Physics		
Grade	Raw Mark	UMS
MAX	80	84
A	58	68
B	47	62
C*	36	57
C	25	51
D	14	42
E	8	38

Unit 7 – Foundation Tier

GDW71, 72, 73 & 74		
Practical Skills		
Grade	Raw Mark	UMS
MAX	150	109
C*	58	101
C	45	90
D	35	75
E	25	60
F	15	45
G	5	30

Unit 7 – Higher Tier

GDW75, 76, 77 & 78		
Practical Skills		
Grade	Raw Mark	UMS
MAX	150	150
A	87	120
B	70	110
C*	53	101
C	37	90
D	21	75
E	13	68

Overall Subject Level Outcomes: cumulative percentage of candidates obtaining each grade combination and total entry shown

	Standard Grading	Cum %	Alternative Grading	Cum %	All Grades Cum %
Max UM	600		450		
A*A*	544	2.1%	408	8.6%	8.2%
A*A	515	7.1%	386	17.8%	17.0%
AA	480	16.1%	360	32.3%	31.3%
AB	462	28.2%	347	40.1%	39.4%
BB	438	51.0%	329	53.0%	52.9%
BC*	420	65.9%	315	67.4%	67.3%
C*C*	402	79.3%	302	79.3%	79.3%
C*C	378	88.5%	284	89.4%	89.4%
CC	360	92.3%	270	93.4%	93.3%
CD	330	97.1%	248	96.9%	96.9%
DD	300	97.9%	225	98.2%	98.1%
DE	270	98.7%	203	98.9%	98.8%
EE	240	98.7%	180	99.1%	99.1%
EF	210	98.7%	158	99.4%	99.3%
FF	180	99.2%	135	99.5%	99.4%
FG	150	99.4%	113	99.5%	99.5%
GG	120	99.6%	90	99.6%	99.6%
		Total		Total	Total
		478		7767	8245