

GCE Physics Summer 2019												
Unit Level	SPH1		SPH2		SPH3		APH1		APH2		APH3	
	Forces, Energy & Electricity		Waves, Photons & Astronomy		Practical Techniques & Data Analysis		Solids, Thermal Physics, Atomic & Nuclear Physics		Fields, Capacitors & Particle Physics		Practical Techniques & Data Analysis	
	Raw	UMS	Raw	UMS	Raw	UMS	Raw	UMS	Raw	UMS	Raw	UMS
Maximum	100	96	100	96	90	48	100	144	100	144	90	72
A	80	77	77	77	73	39	86	116	79	116	75	58
B	73	68	69	68	64	34	79	101	71	101	70	51
C	66	58	61	58	55	29	73	87	64	87	65	44
D	60	48	54	48	47	24	67	72	57	72	60	36
E	54	39	47	39	39	20	61	58	50	58	56	29

Subject Level	% of A Level	Max UMS	A	B	C	D	E
AS	40%	240	192	168	144	120	96
A Level	60%	600	480	420	360	300	240

Please note:	The Uniform Mark boundaries will not change for the lifetime of this specification.
	The Raw Mark boundaries will be set independently in each examination series.
	If you are planning to use these Raw Mark boundaries to estimate future performance and grades they must be used with caution as they are prone to change each series.

Awarding A*:	A* grade will be awarded to candidates who have met both of the following criteria:
	1 gain an A grade overall at A level (480+ UMS out of 600 UMS); and
	2 gain 90%, or more, of the maximum UMS on the combined totals of their A2 units (324+ UMS out of 360 UMS).
	A* will be awarded for A level cash-ins only. It will not be awarded at AS cash-in or for individual units.