

# AQA GCSE (Foundation) 8300 (9-1) Specification map

Number	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25
N1	●			●		●																			
N2	●			●		●																			
N3	●																								
N4		●																							
N5									●																
N6		●																							
N7		●															○								
N8		●				●																			
N9																●									
N10								●																●	
N11										●															
N12								●								○									
N13					●							●			○						●			○	
N14				●	●																				
N15				●	●																				●
N16																									●

# AQA GCSE (Foundation) 8300 (9-1) Specification map

## Algebra

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25
A1			●																						
A2			●																						
A3			●																						
A4			●																	●					
A5			●		○										○			○					○		●
A6																				●					
A7			●									●													
A8							●								●										
A9							●																		
A10							●											●							
A11																		●							●

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## Algebra

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25
A12							●										●								
A13	Higher only																								
A14												●					●							●	
A15	Higher only																								
A16	Higher only																								
A17			●				●											●							●
A18																	●								●
A19																	●								●
A20	Higher only																								
A21			●		○													●							●
A22												●													
A23												●													
A24												●													
A25												●													

# AQA GCSE (Foundation) 8300 (9-1) Specification map

Ratio	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25	
R1	●			●									●			●									●	
R2					●					●																
R3		●				●																				
R4										●															●	
R5										●																
R6										●			●													
R7										●			●													
R8										●																
R9								●								●									●	
R10							●			●			●				●									
R11							●									●	●								●	
R12											●				●			●		●				●	●	
R13																	●								●	
R14							●			●							●								●	
R15	Higher only																									
R16																									●	

# AQA GCSE (Foundation) 8300 (9-1) Specification map

## Geometry

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25
G1											●				●			○							
G2																		●							
G3											●														
G4															●										
G5																		●							
G6															●			●							
G7											●														
G8	Higher only																								
G9															●								●		
G10	Higher only																								
G11															●										
G12															●										
G13					●																				
G14					●								●												○

# AQA GCSE (Foundation) 8300 (9-1) Specification map

## Geometry

		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25
G15	measure line segments and angles in geometric figures, including interpreting maps and scale drawings and use of bearings					●					●															
G16	know and apply formulae to calculate: area of triangles, parallelograms, trapezia; volume of cuboids and other right prisms (including cylinders)					●																				
G17	know the formulae: circumference of a circle = $2\pi r = \pi d$ , area of a circle = $\pi r^2$ ; calculate: perimeters of 2D shapes, including circles; areas of circles and composite shapes; surface area and volume of spheres, pyramids, cones and composite solids					●										●									●	
G18	calculate arc lengths, angles and areas of sectors of circles																								●	
G19	apply the concepts of congruence and similarity, including the relationships between lengths, in similar figures																			●						
G20	know the formulae for: Pythagoras' theorem $a^2 + b^2 = c^2$ , and the trigonometric ratios, $\sin \theta = \text{opposite/hypotenuse}$ , $\cos \theta = \text{adjacent/hypotenuse}$ and $\tan \theta = \text{opposite/adjacent}$ ; apply them to find angles and lengths in right-angled triangles in two-dimensional figures																			●						
G21	know the exact values of $\sin \theta$ and $\cos \theta$ for $\theta = 0^\circ, 30^\circ, 45^\circ, 60^\circ$ and $90^\circ$ ; know the exact value of $\tan \theta$ for $\theta = 0^\circ, 30^\circ, 45^\circ$ and $60^\circ$																					●				
G22	Higher only																									
G23	Higher only																									
G24	describe translations as 2D vectors												●													
G25	apply addition and subtraction of vectors, multiplication of vectors by a scalar, and diagrammatic and column representations of vectors																								●	

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## Probability

		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25	
P1	record, describe and analyse the frequency of outcomes of probability experiments using tables and frequency trees									●																	
P2	apply ideas of randomness, fairness and equally likely events to calculate expected outcomes of multiple future experiments									●														●			
P3	relate relative expected frequencies to theoretical probability, using appropriate language and the 0-1 probability scale									●																	
P4	apply the property that the probabilities of an exhaustive set of outcomes sum to one; apply the property that the probabilities of an exhaustive set of mutually exclusive events sum to one									●																	
P5	<u>understand that empirical unbiased samples tend towards theoretical probability distributions, with increasing sample size</u>									●														●			
P6	enumerate sets and combinations of sets systematically, using tables, grids, Venn diagrams and tree diagrams									●														●			
P7	construct theoretical possibility spaces for single and combined experiments with equally likely outcomes and use these to calculate theoretical probabilities									●																	
P8	<u>calculate the probability of independent and dependent combined events, including using tree diagrams and other representations, and know the underlying assumptions</u>																							●			
P9	Higher only																										

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## Statistics

		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24	Unit 25
S1	infer properties of populations or distributions from a sample, while knowing the limitations of sampling																						●			
S2	interpret and construct tables, charts and diagrams, including frequency tables, bar charts, pie charts and pictograms for categorical data, vertical line charts for ungrouped discrete numerical data, tables and line graphs for time series data and know their appropriate use														●								●			
S3	<b>Higher only</b>																									
S4	interpret, analyse and compare the distributions of data sets from univariate empirical distributions through: <ul style="list-style-type: none"> <li>• appropriate graphical representation involving discrete, continuous and grouped data</li> <li>• appropriate measures of central tendency (median, mean, mode and modal class) and spread (range, including consideration of outliers)</li> </ul>														●											
S5	apply statistics to describe a population														●											
S6	use and interpret scatter graphs of bivariate data; recognise correlation <u>and know that it does not indicate causation</u> ; draw estimated lines of best fit; make predictions; <u>interpolate and extrapolate apparent trends while knowing the dangers of so doing</u>																						●			

Key:  Covered  Indirectly covered