

GCSE Mathematics (8300) 3-year higher tier Route Map



Number



Algebra



Ratio, proportion
and rates of change



Geometry and
Measures



Probability



Statistics

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Year 9

SEPTEMBER				OCTOBER				NOVEMBER	
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10
Basic number	Factors & multiples	Angles	Scale diagrams and bearings	Basic algebra review	Basic fractions	Review and revision 1	Holiday	Basic decimals	Coordinates and linear graphs
NOVEMBER			DECEMBER				JANUARY		
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20
Rounding	Collecting and representing data		Sequences	Year 9 examinations and revision	Holiday	Holiday	Basic percentages	Perimeter and area	
JANUARY		FEBRUARY				MARCH			
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30
Real life graphs	Review and revision 2		Holiday	Circumference and area		Ratio and proportion	Equations		Review and revision 3
APRIL				MAY				JUNE	
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40
Holiday	Holiday	Basic probability	Scatter graphs	Standard form	Review and revision 4		Holiday	Transformations	
JUNE			JULY						
Wk41	Wk42	Wk43	Wk44	Wk45					
Summer examinations and revision	Summer examinations and revision	Constructions and loci		2D representations of 3D shapes					

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Year 10

SEPTEMBER				OCTOBER				NOVEMBER	
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10
Review and revision 5	Calculating with percentages	Measures	Surds	Review and revision 6	Holiday	Statistical measures			
NOVEMBER			DECEMBER				JANUARY		
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20
Indices	Properties of polygons	Examinations and revision	Examinations and revision	Holiday	Holiday	Number recap and review	Congruence and similarity		
JANUARY		FEBRUARY				MARCH			
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30
Pythagoras theorem and basic trigonometry	Review and revision 7	Holiday	Simultaneous equations		Probability		Statistics recap and review	Review and revision 8	
APRIL			MAY				JUNE		
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40
Holiday	Holiday	Algebra: introduction to quadratics and rearranging formulae	Volume		Review and revision 9	Holiday	Algebra recap and review	Sketching graphs	
JUNE		JULY							
Wk41	Wk42	Wk43	Wk44	Wk45					
Summer examinations and revision	Summer examinations and revision	Linear and quadratic equations and their graphs		Geometry and measures recap and review					

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Year 11

SEPTEMBER				OCTOBER				NOVEMBER	
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10
Review and revision 10	Algebra: further quadratics, rearranging formulae and identities		Trigonometry recap and extension		Growth and decay	Review and revision 11	Holiday	Equation of a circle	Further equations and graphs
NOVEMBER			DECEMBER				JANUARY		
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20
Further equations and graphs	Direct and inverse proportion		Mock examinations and revision	Mock examinations and revision	Holiday	Holiday	Inequalities	Vectors	
JANUARY		FEBRUARY				MARCH			
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30
Further sketching graphs	Review and revision 12	Holiday	Sine and cosine rules	Transforming functions	Numerical methods	Circle theorems		Review and revision 13	Holiday
APRIL				MAY				JUNE	
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40
Holiday	Gradients and rate of change	Pre-calculus and area under a curve		Algebraic fractions	Revision		Holiday	Revision	
JUNE			JULY						
Wk41	Wk42	Wk43	Wk44	Wk45					
June examinations	June examinations								