

# KS3 Mathematics Route Map

## Year 7

Please note that test locations and holidays are approximates only



SEPTEMBER				OCTOBER				NOVEMBER		
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	
5 Rs project		Test	Place value		4 rules , negatives and decimals		Holiday	Order of operations and rounding		
NOVEMBER			DECEMBER				JANUARY			
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	
Order of operations and rounding	Measures and area			Types of number	Holiday		Types of number		Fractions, decimals and percentages	
JANUARY		FEBRUARY				MARCH				
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30	
Fractions, decimals and percentages			Test	Geometrical Reasoning, Lines and Angles	Holiday	Geometrical Reasoning, Lines and Angles	Expressions, equations and formulae			
APRIL				MAY				JUNE		
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40	
Holiday		Expressions , equations and formulae	Sequences			Test	Averages		Holiday	Averages
JUNE			JULY							
Wk41	Wk42	Wk43	Wk44	Wk45	Wk46					
Probability			Nets and scale drawings							





SEPTEMBER				OCTOBER				NOVEMBER	
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10
Fractions		Ratio Extension		Statistical Averages and Diagrams (Review)		Congruence, Similarity and Parallel Angles	Holiday	Congruence, Similarity and Parallel Angles	Percentages (Not Compound)
NOVEMBER			DECEMBER				JANUARY		
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20
Percentages (Not Compound)	Basic Algebraic Manipulation Solving Linear Equations			Assessment Feedback and Retrieval	Holiday		Sequences (Retrieval and Extension)		Linear Graphs
JANUARY		FEBRUARY				MARCH			
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30
Linear Graphs		3D Shapes; Measure, Area, Volume		Holiday	Assessment Feedback and Retrieval	Linear Inequalities	Standard Form	Intro to Right-Angle Geometry	
APRIL				MAY				JUNE	
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40
Holiday		Angles in Algebra	Intro to Quadratics		Compound Measures		Holiday	Number Properties	
JUNE			JULY						
Wk41	Wk42	Wk43	Wk44	Wk45					
End of Year Exams and Review	Rounding, Estimation and Bounds		Probability		Week in Hand (House Day Sports Day etc)		Year 10 ▶		



**Year 10 -  
Foundation**

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SEPTEMBER				OCTOBER				NOVEMBER	
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10
Basic Number 1 (Retrieval)		Standard Form and Indices (Retrieval)		Basic Algebraic Manipulation (Retrieval)		Holiday	Inequalities	Assessment Feedback Retrieval	
NOVEMBER			DECEMBER				JANUARY		
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20
Fractions (Retrieval and Extension)		Perimeter and Area Of 2D shapes		Basic Percentages (Retrieval)	Holiday		Basic Percentages (Retrieval)	Angles (Retrieval & Extension)	
JANUARY		FEBRUARY				MARCH			
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30
Sequences		Assessment Feedback Retrieval	Holiday	Averages (Retrieval)		Volume		Scales and Bearings	Straight Line Graphs (Retrieval)
APRIL				MAY				JUNE	
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40
Holiday		Straight Line Graphs (Retrieval)		Probability (Retrieval and Extension)		Rounding and Bounds		Holiday	Measures
JUNE			JULY						
Wk41	Wk42	Wk43	Wk44	Wk45					
Compound Measures	Data Representation		Ratio and Proportion Review and Extend	End of Year Retrieval and Exams					

**Year 10 - Higher**

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SEPTEMBER				OCTOBER				NOVEMBER	
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10
Advanced Number	Indices		Surds		Crossover Algebra		Holiday		Percentages Exponential Growth and Decay
NOVEMBER			DECEMBER				JANUARY		
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20
Percentages Exponential Growth and Decay	Statistical Averages and Diagrams (Review)		Linear Graphs	Assessment Feedback and Retrieval	Holiday			Measure of 2D Shapes	
JANUARY		FEBRUARY				MARCH			
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30
Simultaneous equations		Loci Geometry	Holiday	Quadratics				Assessment Feedback and Retrieval	Holiday
APRIL				MAY				JUNE	
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40
Holiday	Measure of 3D Shapes		Quadratic Sequences		Right Angle Geometry			Holiday	End of Year Exams and Revision
JUNE			JULY						
Wk41	Wk42	Wk43	Wk44	Wk45					
Equations of Proportionality		Work Experience	Bounds Extension	Probability			Year 11 ▶		



**Year 11 - Foundation**

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SEPTEMBER				OCTOBER				NOVEMBER		
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	
Linear Expressions and Equations (Retrieval)		Constructions	Quadratics				Holiday	Pythagoras		
NOVEMBER			DECEMBER				JANUARY			
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	
Trigonometry		Mock Examinations and Feedback		Simultaneous Equations	Holiday			Compound Percentages and Growth/Decay		
JANUARY		FEBRUARY				MARCH				
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30	
Congruence and Similarity		Direct and Inverse Proportion		Holiday	Transformations (Retrieval)		Mock examinations and Feedback	Vector Geometry	Arcs and Sectors	
APRIL				MAY				JUNE		
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40	
Further graphs	Holiday		Retrieval and Practice						Holiday	
JUNE			JULY							
Wk41	Wk42	Wk43	Wk44	Wk45						





**Year 11 - Higher**

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SEPTEMBER				OCTOBER				NOVEMBER	
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	30/10/23	Wk10
Further Algebra (Proof, Fractions, Simultaneous Equations)				Trigonometry Recall and Advanced Trigonometry			Holiday	Further Algebra: Graphs and Solution Sets	
NOVEMBER			DECEMBER				JANUARY		
Wk11	Wk12	27/11/23	Wk14	Wk15	Wk16	Wk17	01/01/24	Wk19	Wk20
Further Algebra: Graphs and Solution Sets	1 <sup>st</sup> Mock – Retrieval and Exam Practice		Statistical Diagrams Histograms C. Frequency Quartiles			Holiday		Circle theorems	
JANUARY		FEBRUARY				MARCH			
Wk21	29/01/24	Wk23	Wk24	Wk25	26/02/24	Wk27	Wk28	Wk29	Wk30
Transformations Recall	Vectors		Holiday	2 <sup>nd</sup> Mock – Retrieval and Practice	Function Notation and Transformations		Numerical methods - Iteration		Holiday
APRIL				MAY				JUNE	
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40
Holiday	Pre-Calculus		Revision, Retrieval & Exam Paper Preparation					Holiday	Examinations
JUNE			JULY						
Wk41	Wk42	Wk43	Wk44	Wk45					
Preparation for A-Level Study (If appropriate)									