

Year 11 Higher Mathematics Learning Journey 2020-21

Week	Date	Key Constructs	Topics	Assessment
1	07.09.20	Data: analysing and representation	<ul style="list-style-type: none"> • Sampling • Cumulative frequency • Box plots • Histograms • Comparing and describing populations 	Unit 14 - Further statistics
2	14.09.20			
3	21.09.20	Equations and inequalities	<ul style="list-style-type: none"> • Solving simultaneous equations graphically • Representing inequalities graphically • Graphs of quadratic functions • Solving quadratic equations graphically • Graphs of cubic functions 	Unit 15 - Equations and graphs
4	28.09.20			
5	05.10.20	Angles Geometric proof	<ul style="list-style-type: none"> • Radii and chords • Circle theorems • Applying circle theorems 	Unit 16 – Circle theorems
6	12.10.20			
7	19.10.20			
HALF TERM				
8	02.11.20		Mock Preparation	
9	09.11.20			
10	16.11.20		Mock Exams	Mock Exams
11	23.11.20			
12	30.11.20	Substitution and Formula	<ul style="list-style-type: none"> • Rearranging formulae • Algebraic fractions • Surds • Solving algebraic fraction equations • Functions • Proof 	Unit 17 - More algebra
13	07.12.20			
14 (½ week)	14.12.20		Mock Results Day RAP Mock Exams	
CHRISTMAS				
15	04.01.21	Geometric proof	<ul style="list-style-type: none"> • Vectors and vector notation • Vector arithmetic • Parallel vectors and collinear points • Solving geometric problems 	Unit 18 - Vectors and geometric proof
16	11.01.21			
17	18.01.21	Algebraic manipulation		
18	25.01.21	Proportional Reasoning	<ul style="list-style-type: none"> • Direct proportion • Inverse proportion • Exponential functions • Non-linear graphs • Translating graphs of functions • Reflecting and stretching graphs of functions 	Unit 19 - Proportion and graphs
19	01.02.21			
20	08.02.21	Graphs Transformations		
HALF TERM				
21	22.02.21		Mock 2	Mock Exam 2
22	01.03.21			
23	08.03.21		<ul style="list-style-type: none"> • Past GCSE papers, RAP and address misconceptions 	Past GCSE Paper
24	15.03.21			

Week	Date	Key Constructs	Topics	Assessment
25	22.03.21		Past GCSE papers, RAP and address misconceptions	Past GCSE Paper
26 (½ week)	29.03.21			
			EASTER	
27	19.04.21		Past GCSE papers, RAP and address misconceptions	Past GCSE Paper
28	26.04.21			
29	04.05.21 (BH)		Past GCSE papers, RAP and address misconceptions	Past GCSE Paper
30	10.05.21			
31	17.05.21		Past GCSE papers, RAP and address misconceptions	Past GCSE Paper
32	24.05.21		Tue 25th May: Paper 1 (Non Calculator)	
			HALF TERM	
33	07.06.21		Tue 8th June: Paper 2 (Calculator) Tue 15th June: Paper 3 (Calculator)	
34	14.06.21			
35	21.06.21			
36	28.06.21			
37	05.07.21			
38	12.07.21			
39	19.07.21			

Year 11 Higher Mathematics Progress Tracker

FLIGHT PATH STICKER	<u>Key Constructs</u> <ul style="list-style-type: none"> Number, ratio and proportion Algebra Shape Statistics and probability
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Date	Assessment T = teacher assessed	Flight Path Grade	Action (s) to make progress
	Unit 14 - Further statistics		
	<i>Assessment (Unit 11 - 15)</i>		
	Unit 16 – Circle theorems		
	Mock Exams		
	Unit 17 - More algebra		
	Unit 18 - Vectors and geometric proof		
	Unit 19 - Proportion and graphs		
	Mock 2		
	Past GCSE Paper		
	Past GCSE Paper		
	Past GCSE Paper		

