

Year 9 Maths Delta Learning Journey 2020-21

Week	Date	Key Constructs	Topics	Assessment
1	07.09.20	Types of number	<ul style="list-style-type: none"> Reciprocals Indices Standard form STEM: Calculating with standard form Fractional indices Surds 	Unit 1 - Powers and roots
2	14.09.20			
3	21.09.20			
4	28.09.20	Sequences and functions	<ul style="list-style-type: none"> Sequences Expanding Factorising Solving quadratic equations 	Unit 2 - Quadratics
5	05.10.20	Equations		
6	12.10.20	Algebraic Manipulation		
7	19.10.20			
HALF TERM				
8	02.11.20	Equations and Inequalities	<ul style="list-style-type: none"> Inequalities Using index laws Solving equations Changing the subject Algebraic fractions 	Unit 3 - Inequalities, equations and formulae
9	09.11.20			
10	16.11.20	Sequences and formula Indices and standard form		
11	23.11.20	Data: analysing and representation Data: collecting and organising	<ul style="list-style-type: none"> STEM: Data collection Presenting and comparing data Estimating statistics Box plots Cumulative frequency graphs Histograms 	Unit 4 - Collecting and analysing data (not assessed)
12	30.11.20			
13	07.12.20		Revision for End of Term Assessment End of Term assessment, RAP and a Christmas Activity	Units 1-4 End of Term Assessment
14 (½ week)	14.12.20			
CHRISTMAS				
15	04.01.21	Proportional reasoning Perimeter and area	<ul style="list-style-type: none"> Direct proportion Solving problems using direct proportion Non-linear proportion Arcs and sectors of circles 	Unit 5 - Multiplicative reasoning
16	11.01.21			
17	18.01.21			
18	25.01.21	Graphs	<ul style="list-style-type: none"> Graphs of quadratic functions Solving quadratic equations Graphs of cubic functions STEM: Graphs of reciprocal functions 	Unit 6 - Non-linear graphs
19	01.02.21			
20	08.02.21			
HALF TERM				
21	22.02.21	Measures Place value and rounding	<ul style="list-style-type: none"> Rates of change Density and pressure Upper and lower bounds Calculating with bounds STEM: Accurate measures in real life 	Unit 7 - Accuracy and measures
22	01.03.21			
23	08.03.21	Equations and inequalities Graphs	<ul style="list-style-type: none"> Simultaneous equations Using $y = mx + c$ More simultaneous equations Graphs and simultaneous equations Solving inequalities 	Unit 8 - Graphical solutions (not assessed)
24	15.03.21			
25	22.03.21		Revision for EOYE	
26 (½ week)	29.03.21			
EASTER				

Week	Date	Key Constructs	Topics	Assessment
27	19.04.21		EOYE	EOYE
28	26.04.21		RAP	
29	04.05.21 (BH)	Pythagoras and trigonometry	<ul style="list-style-type: none"> • The tangent ratio • The sine ratio • The cosine ratio • Using trigonometry to find angles • Solving problems using trigonometry • Trigonometric graphs 	Unit 9 - Trigonometry
30	10.05.21			
31	17.05.21			
32	24.05.21	Graphs		
			HALF TERM	
33	07.06.21	Place value and rounding	<ul style="list-style-type: none"> • Number problems and reasoning • Place value and estimating • HCF and LCM • Calculating with powers (indices) • Zero, negative and fractional indices • Powers of 10 and standard form • Surds 	GCSE Unit 1 - Number
34	14.06.21			
35	21.06.21	Indices and standard form		
		Types of number		
36	28.06.21	Indices and standard form	<ul style="list-style-type: none"> • Algebraic indices • Expanding and factorizing • Equations • Formulae • Linear sequences • Non-linear sequences • More expanding and factorising 	GCSE Unit 2 – Algebra (not assessed)
37	05.07.21			
38	12.07.21			
39	19.07.21			
				Assessment - GCSE Unit 1 and 2 combined test.