

Year 9 Maths Theta Learning Journey 2020-21

Week	Date	Key Constructs	Topics	Assessment
1	07.09.20	Indices and standard form	<ul style="list-style-type: none"> Indices Calculations and estimates More indices STEM: Standard form 	Unit 1 - Indices and standard form
2	14.09.20			
3	21.09.20			
4	28.09.20	Algebraic Manipulation	<ul style="list-style-type: none"> Substituting into expressions Writing expressions and formulae STEM: Using formulae Rules of indices and brackets Expanding double brackets 	Unit 2 - Expressions and formulae
5	05.10.20			
6	12.10.20			
7	19.10.20	Sequences and formula		
HALF TERM				
8	02.11.20	Data: collecting and organising	<ul style="list-style-type: none"> Planning a survey Collecting data Calculating averages Display and analyse data Writing a report 	Unit 3 - Dealing with data
9	09.11.20	Data: analysing and representation		
10	16.11.20	Coordinate and transformations	<ul style="list-style-type: none"> Enlargement Negative and fractional scale factors FINANCE: Percentage change Rates of change Problem-solving 	Unit 4 - Multiplicative reasoning (not assessed)
11	23.11.20			
12	30.11.20	Proportional reasoning Rates of change		
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	Measures and construction	<ul style="list-style-type: none"> Using scales Basic constructions Constructing triangles Loci 	Unit 5 - Constructions
16	11.01.21			
17	18.01.21			
18	25.01.21	Equations and inequalities	<ul style="list-style-type: none"> Solving equations Using equations Trial and improvement Using and solving inequalities STEM: Proportion Simultaneous equations 	Unit 6 - Equations, inequalities and proportionality
19	01.02.21			
20	08.02.21			
HALF TERM				
21	22.02.21	Perimeter and area	<ul style="list-style-type: none"> Circumference of a circle Area of a circle Pythagoras' theorem Prisms and cylinders STEM: Errors and bounds 	Unit 7 - Circles, Pythagoras and prisms
22	01.03.21	Pythagoras		
		Polygons and polyhedral Place value and rounding		
23	08.03.21	Sequences and functions	<ul style="list-style-type: none"> nth term of arithmetic sequences Non-linear sequences Graphing rates of change Using $y = mx + c$ More straight-line graphs More simultaneous equations Graphs of quadratic functions Non-linear graphs 	Unit 8 - Sequences and graphs (not assessed)
24	15.03.21	Graphs		
		Equations		
		Rates of change		
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)	Probability	<ul style="list-style-type: none"> • Calculating probabilities • Experimental probability • Probability diagrams • Independent events 	Unit 9 – Probability
30	10.05.21			
31	17.05.21			
32	24.05.21			
			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 factorising • 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	Equations		Assessment - GCSE Unit 1 and 2 combined test.
		Sequences and formula		
		Algebraic manipulation		