

Year 8 Maths Theta Learning Journey 2020-21

Week	Date	Key Constructs	Topics	Assessment
1	07.09.20	Types of number	<ul style="list-style-type: none"> Calculations, negative integers Powers, roots and brackets Multiples and factors 	Unit 1 Number
2	14.09.20	Negative numbers Indices		
3	21.09.20			
4	28.09.20	Perimeter, area and volume	<ul style="list-style-type: none"> Area of a triangle Area of a parallelogram and trapezium Volume, surface area of cubes and cuboids 3D shapes 	Unit 2 Area and Volume
5	05.10.20			
6	12.10.20			
7	19.10.20	Polygons and polyhedral		
HALF TERM				
8	02.11.20	Data: analysing and representation	<ul style="list-style-type: none"> Pie charts Using tables Stem and leaf diagrams Comparing data Scatter graphs Misleading graphs 	Unit 3 Statistics, graphs and charts
9	09.11.20	Data: collecting and organising		
10	16.11.20	Equations	<ul style="list-style-type: none"> Algebraic powers expressions brackets Factorising expressions One and two-step equations The balancing method 	Unit 4 Expressions and Equations (not assessed)
11	23.11.20	Algebraic manipulation		
12	30.11.20			
13	07.12.20		Revision for End of Term Assessment End of Term assessment, RAP and a Christmas Activity	EOT test Unit 1-4
14 (½ week)	14.12.20			
CHRISTMAS				
15	04.01.21	Graphs	<ul style="list-style-type: none"> Conversion and distance-time graphs Line graphs Graphs of functions Real-life graphs 	Unit 5 Real-life graphs
16	11.01.21			
17	18.01.21			
18	25.01.21	Place value and rounding	<ul style="list-style-type: none"> Ordering decimals and rounding Place-value and decimal calculations Ratio and proportion with decimals 	Unit 6 Decimals and ratio
19	01.02.21	Ratio		
20	08.02.21	Proportional reasoning		
HALF TERM				
21	22.02.21	Angles and geometric proof	<ul style="list-style-type: none"> Quadrilaterals Alternate, exterior, interior angles proof Geometrical problems 	Unit 7 Lines and angles (not assessed)
22	01.03.21	Polygons and polyhedral		
23	08.03.21			
24	15.03.21		Revision for End of Term Assessment End of Term assessment, RAP and a Easter Activity or project	EOT test Unit 5-7
25	22.03.21			
26 (½ week)	29.03.21			
EASTER				
27	19.04.21	Fractions	<ul style="list-style-type: none"> Adding and subtracting fractions Multiplying and dividing fractions Calculating with mixed numbers Fractions, decimals and reciprocals 	Unit 8 Calculating with fractions
28	26.04.21	Types of number Written methods		
29	04.05.21 (BH)	Graphs	<ul style="list-style-type: none"> Direct proportion on graphs Gradients Equations of straight lines 	Unit 9 Straight-line graphs
30	10.05.21			
31	17.05.21			
32	24.05.21		Revision for EOYE	
HALF TERM				
33	07.06.21		Revision for EOYE EOYE RAP Summer Activity	EOYE
34	14.06.21			
35	21.06.21			
36	28.06.21	Fractions Decimals Percentages Proportional reasoning	<ul style="list-style-type: none"> Fractions and decimals Equivalent proportions Writing percentages Percentages of amounts 	Unit 10 Percentages, decimals and fractions
37	05.07.21			
38	12.07.21			
39	19.07.21			