

## Year 7 Maths Theta Learning Journey 2020-21

Week	Date	Key Constructs	Topics	Assessment
1	07.09.20	<b>Data: analysing and representation</b>	<ul style="list-style-type: none"> <li>• Mode, median and range</li> <li>• Displaying data</li> <li>• Grouping data</li> <li>• Averages and comparing data</li> <li>• Line graphs and more bar charts</li> <li>• Spreadsheets</li> </ul>	<b>Unit 1 - Analysing and displaying data</b>
2	14.09.20			
3	21.09.20			
4	28.09.20	<b>Written methods</b>	<ul style="list-style-type: none"> <li>• Mental maths</li> <li>• Addition and subtraction</li> <li>• Multiplication</li> <li>• Division</li> <li>• Finance: Time and money</li> <li>• Negative numbers</li> <li>• Factors, multiples and primes</li> <li>• Square and triangle numbers</li> </ul>	<b>Unit 2 - Number skills</b>
5	05.10.20			
6	12.10.20			
7	19.10.20	<b>Types of number</b> <b>Negative numbers</b>		
HALF TERM				
8	02.11.20	<b>Sequences and functions</b>	<ul style="list-style-type: none"> <li>• Functions</li> <li>• Simplifying expressions</li> <li>• Writing expressions</li> <li>• STEM: Substituting into formulae</li> <li>• Writing formulae</li> </ul>	<b>Unit 3 - Expressions, functions and formulae</b>
9	09.11.20	<b>Algebraic manipulation</b> <b>Substitution and formula</b>		
10	16.11.20	<b>Types of number</b>		
11	23.11.20	<b>Place value and rounding</b>	<ul style="list-style-type: none"> <li>• Decimals and rounding</li> <li>• Length, mass and capacity</li> <li>• Scales and coordinates</li> <li>• Working with decimals</li> <li>• Perimeter</li> <li>• Area</li> <li>• STEM: More units</li> </ul>	<b>Unit 4 – Decimals and Measures (not assessed)</b>
12	30.11.20	<b>Measures and construction</b> <b>Place value and rounding</b>		
13	07.12.20			
14 (½ week)	14.12.20		Revision for End of Term Assessment End of Term assessment, RAP and a Christmas Activity	<b>EOT test Unit 1-4</b>
CHRISTMAS				
15	04.01.21	<b>Fractions</b>	<ul style="list-style-type: none"> <li>• Comparing fractions</li> <li>• Simplifying fractions</li> <li>• Working with fractions</li> <li>• Fractions and decimals</li> <li>• Understanding percentages</li> <li>• Percentages of amounts</li> </ul>	<b>Unit 5 - Fractions</b>
16	11.01.21			
17	18.01.21			
18	25.01.21	<b>Probability</b>	<ul style="list-style-type: none"> <li>• The language of probability</li> <li>• Calculating probability</li> <li>• More probability calculations</li> <li>• Experimental probability</li> <li>• FINANCE: Expected outcomes</li> </ul>	<b>Unit 6 - Probability</b>
19	01.02.21			
20	08.02.21			
HALF TERM				
21	22.02.21	<b>Ratio</b>	<ul style="list-style-type: none"> <li>• Direct proportion</li> <li>• Writing ratios</li> <li>• Using ratios</li> <li>• Scales and measures</li> <li>• Proportions and fractions</li> <li>• Proportions and percentages</li> </ul>	<b>Unit 7 – Ratio and Proportion (not assessed)</b>
22	01.03.21			
23	08.03.21			
24	15.03.21		Revision for End of Term Assessment End of Term assessment and RAP Maths Magic	<b>EOT test Unit 5-7</b>
25	22.03.21			
26 (½ week)	29.03.21			

Week	Date	Key Constructs	Topics	Assessment
			EASTER	
27	19.04.21	<b>Angles and geometric reasoning</b>  <b>Measures and construction</b>  <b>Polygons and polyhedra</b>	<ul style="list-style-type: none"> <li>• Lines, angles and triangles</li> <li>• Estimating, measuring and drawing angles</li> <li>• Drawing triangles accurately</li> <li>• STEM: Calculating angles</li> <li>• Angles in a triangle</li> <li>• Quadrilaterals</li> </ul>	<b>Unit 8 Lines and angles</b>
28	26.04.21			
29	04.05.21 <b>(BH)</b>	<b>Sequences and functions</b>  <b>Coordinates and transformations</b>  <b>Graphs</b>	<ul style="list-style-type: none"> <li>• Sequences</li> <li>• Pattern sequences</li> <li>• Coordinates</li> <li>• Extending sequences</li> <li>• Straight-line graphs</li> <li>• Position-to-term rules</li> </ul>	<b>Unit 9 Sequences and graphs</b>
30	10.05.21			
31	17.05.21		Revision for EOYE	
32	24.05.21			
			HALF TERM	
33	07.06.21	<b>Coordinates and transformations</b>  <b>Proportional reasoning</b>	<ul style="list-style-type: none"> <li>• Congruency and enlargements</li> <li>• Symmetry</li> <li>• Reflection</li> <li>• Rotation</li> <li>• Translations and combined transformations</li> </ul>	<b>Unit 10 - Transformations</b>
34	14.06.21			
35	21.06.21			
36	28.06.21			
37	05.07.21		EOYE RAP Farm Project	EOYE
38	12.07.21			
39	19.07.21			