

# Year 8 Maths Pi Learning Journey 2020-21

Week	Date	Key Constructs	Topics	Assessment
1	07.09.20	<b>Written methods</b> <b>Negative numbers</b> <b>Ratio</b> <b>Proportional reasoning</b>	<ul style="list-style-type: none"> <li>• Adding and subtracting with larger numbers and calculation</li> <li>• Negative numbers</li> <li>• Ratio and multiplicative reasoning</li> </ul>	<b>Unit 1</b> <b>Number properties and calculations</b>
2	14.09.20			
3	21.09.20			
4	28.09.20	<b>Polygons and polyhedral</b> <b>Perimeter, area and volume</b> <b>Measures</b>	<ul style="list-style-type: none"> <li>• 3-D solids and nets</li> <li>• Surface area</li> <li>• Volume</li> <li>• Measures</li> </ul>	<b>Unit 2</b> <b>Shapes and measures in 3D</b>
5	05.10.20			
6	12.10.20			
7	19.10.20			
HALF TERM				
8	02.11.20	<b>Data: collecting and organizing</b> <b>Data: analysing and representation</b>	<ul style="list-style-type: none"> <li>• Data Collection Sheets</li> <li>• Drawing and interpreting bar charts</li> <li>• Pie charts</li> </ul>	<b>Unit 3</b> <b>Statistics</b>
9	09.11.20			
10	16.11.20	<b>Algebraic manipulation</b>  <b>Sequences and functions</b>  <b>Equations</b>	<ul style="list-style-type: none"> <li>• Simplifying expressions</li> <li>• Functions</li> <li>• Solving equations</li> <li>• Using brackets</li> </ul>	<b>Unit 4 Expressions and Equations</b> <i>(not assessed)</i>
11	23.11.20			
12	30.11.20			
13	07.12.20		Revision for End of Term Assessment End of Term assessment, RAP and a Christmas Activity	<b>EOT test Unit 1-4</b>
14 (½ week)	14.12.20			
CHRISTMAS				
15	04.01.21	<b>Types of number</b>  <b>Written methods</b> <b>Place value and rounding</b>	<ul style="list-style-type: none"> <li>• Adding, subtracting and multiplying decimals</li> <li>• Ordering and rounding decimals</li> <li>• Problem-solving with decimals</li> </ul>	<b>Unit 5</b> <b>Decimals and calculations</b>
16	11.01.21			
17	18.01.21			
18	25.01.21	<b>Angles and geometric proof</b>  <b>Measures and construction</b>	<ul style="list-style-type: none"> <li>• Measuring and drawing angles</li> <li>• Angles inside triangles and vertically opposite angles</li> <li>• Constructing triangles and drawing nets</li> </ul>	<b>Unit 6</b> <b>Angles</b>
19	01.02.21			
20	08.02.21			
HALF TERM				
21	22.02.21	<b>Types of number</b>  <b>Algebraic manipulation</b> <b>Indices</b>	<ul style="list-style-type: none"> <li>• Squares, cubes and roots</li> <li>• Calculating with brackets and indices</li> <li>• LCM, HCF and prime factor decomposition</li> </ul>	<b>Unit 7 Number Properties</b> <i>(not assessed)</i>
22	01.03.21			
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	<b>EOT test Unit 5-7</b>
25	22.03.21			
26 (½ week)	29.03.21			
EASTER				
27	19.04.21	<b>Sequences and functions</b>	<ul style="list-style-type: none"> <li>• Recognising, describing and extending sequence</li> <li>• Position to term rules</li> <li>• nth term rules</li> </ul>	<b>Unit 8</b> <b>Sequences</b>
28	26.04.21			
29	04.05.21 <b>(BH)</b>	<b>Fractions and percentages</b>	<ul style="list-style-type: none"> <li>• Equivalent fractions, comparing fractions, frac, dec, per equivalents</li> <li>• Fractions of amounts, adding and subtracting fractions.</li> <li>• Calculate percentages and compare proportions using percentages. Writing one number as a frac/per of another</li> </ul>	<b>Unit 9</b> <b>Fractions and percentages</b>
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	<b>EOYE</b>
34	14.06.21			
35	21.06.21			
36	28.06.21	<b>Probability</b>	<ul style="list-style-type: none"> <li>• Language of probability and writing probabilities for equally likely outcomes</li> <li>• Probability calculations</li> <li>• Experimental probability</li> </ul>	<b>Unit 10</b> <b>Probability</b>
37	05.07.21			
38	12.07.21			
39	19.07.21			