Grendon Primary School Curriculum Overview
Medium Term Planning - Maths
Year 3

	Autumn	Spring	Summer
Number: Number and Place Value			
Count from 0 in multiples of 4, 8, 50 and 100. Find 10 or 100 more or less than a given number			
1. Recognise the place value of each digit in a three-digit number			
2. Compare and order numbers up to 1000			
3. Identify, represent and estimate numbers using different representations			
4. Read and write numbers up to 1000 in numerals and words			
5. Solve number problems and practical problems involving these ideas			

Number: Addition and Subtraction			
6. Add and subtract numbers mentally, including HTU + U, HTU + 10, (20, 30 etc) and HTU + 100, (200, 300 etc)			
7. Add and subtract numbers with 3 digits using formal written methods of columnar addition and subtraction			
8. Estimate the answers to a calculation and use inverse operations to check answers			
9. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction			

Number: Multiplication and Division			
10. Recall and use multiplication and division facts for the 3, 4 and 8 times tables			
11.Write and calculate mathematical statements for x and division using the x tables that they know, including for TU x U using mental methods and progressing to formal written methods			
12.Solve problems, including missing number problems, involving x and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects			

Number: Fractions			
13. Count up and down in tenths; recognise that tenths arise from dividing an objects into 10 equal parts and in dividing one-digit numbers or quantities by 10			
14. Recognise, find and write fractions of a discrete set of objects; unit fractions and non-unit fractions with small denominators			
15. Recognise and use fractions as numbers; unit fractions and non-unit fractions with small denominators			
16. Recognise and show using diagrams equivalent fractions with the same denominators			
17. Solve problems involving fractions			

Measurement			
18. Measure, compare, add and subtract: lengths (mm/cm/m); mass (kg/g); volume and capacity (l/ml)			
19. Measure the perimeter of simples 2D shapes			
20. Add and subtract amounts of money to give change, using both £ and p in practical contexts			
21. Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks			
22. Estimate and read time with increasing accuracy to the nearest minute; record and compare times in terms of seconds, minutes and hours; use vocabulary such as o'clock, am, pm, morning, noon anmidnight			
23. Know the number of seconds in a minute and the number of days in each month, year and leap year			
24. Compare durations of events			

Geometry: Properties of shapes			
25. Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them			
26. Recognise angles as a property of shape or a description of a turn			
27. Identify right angles, recognise that 2 right angles make a half turn; 3 make three quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle			
28. Identify horizontal and vertical lines and pairs of parallel and perpendicular lines			

Statistics			
29. Interpret and present data using bar charts, pictograms and tables			
30. Solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables			