Maths Overview: Year 3

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 -Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) -Compare and order numbers up to 1000 -Identify, represent and estimate numbers using different representations -Read and write numbers up to 1000 in numerals and in words -Solve number problems and practical problems involving these ideas.
Vocabulary	Numbers to 1000
Addition and Subtraction	-Add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds -Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction -Estimate the answer to a calculation and use inverse operations to check answers -Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
Vocabulary	Column method
Multiplication and Division	-Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables -Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times and divided by one-digit numbers, using mental and progressing to formal written methods -Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.
Vocabulary	Product, multiple, scale up
Fractions	-Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 -Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators -Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators R -Recognise and show, using diagrams, equivalent fractions with small denominators -Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 =6/7 -Compare and order unit fractions, and fractions with the same denominators -Solve problems that involve all of the above.
Vocabulary	Numerator, denominator, unit fraction, non-unit fraction, compare, order, tenths
Measurement	-Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) -Measure the perimeter of simple 2-D shapes -Add and subtract amounts of money to give change, using both £ and p in practical contexts

	-Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks -Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight -Know the number of seconds in a minute and the number of days in each month, year and leap year -Compare durations of events [for example to calculate the time taken by particular events or tasks
Vocabulary	Leap year twelve hour/twenty four hour clock, roman numerals I to XIII
Geometry – Properties of Shape	-Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them -Recognise angles as a property of shape or a description of a turn -Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; -Identify whether angles are greater than or less than a right angle - Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
Vocabulary	Horizontal, vertical, perpendicular, parallel
Statistics	-Interpret and present data using bar charts, pictograms and tables -Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.
Vocabulary	Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram