Year 3 Maths Overview

Term	Topic	Objectives
Summer 2	Problem solving 4 operations (3 weeks)	- Solve problems, including missing number problems, using facts, place value, and more complex addition and subtraction - 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
	Multiplication & Division (2weeks)	- 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 multiplication tables that they know, including for two-digit numbers times 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
Summer 1	Mass and capacity (1 week)	- Measure, compare, add subtract; lengths (m/cm/mm); mass (kg/g); volume/capacity (L/ml)
	Length and perimeter (2 week)	- Measure the perimeter of simple 2-D shapes - Show simple calculations to work out perimeter
	Addition and subtraction Consolidation (3 weeks)	- Add and subtract numbers with up to 3 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 facts, place value, and more complex addition and subtraction
Spring 2	Fractions (3 weeks)	- Count up and down in tenths; recognise that tenths arise from diving 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-unt fractions with small denominators - Recognise and use fractions as numbers; units fractions and non-unit fractions with small denominators - Recognise and show, using diagrams, equivalent fractions with small denominators - Add and subtract fractions with the same denominator with one whole (for example 5/7 + 1/7 = 6/7) - Compare a order unit fractions, and fractions with the same denominators - Solve problems that involve all of the above
	Multiplication & Division (3 weeks)	- 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 multiplication tables that they know, including for two-digit numbers times 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
Spring 1	Mass and capacity (1 week)	- Measure, compare, add subtract; lengths (m/cm/mm); mass (kg/g); volume/capacity (L/ml)
	Statistics (2 week)	- 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
	Place Value (1 weeks)	- Identify, represent and estimate numbers using different representations - Read and write numbers up to 1,000 n numerals and in words - Solve number problems and practical problems involving these ideas.
Autumn 2	Measurement of time (3week)	- 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 ad read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes ad hours; use vocabulary such as o' clock, am/pm, morning, afternoon, noon and midnight - Know the number of seconds in a minute and the number of days in each month, ear and leap year - Comapre durations of events (for example, to calculate the time taken by particular events or tasks)
	Addition and Subtraction (3 weeks)	- Add and subtract numbers with up to 3 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 facts, place value, and more complex addition and subtraction
	Shape (2 weeks)	- Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them - Recognize angles as a property of shape or a description of a turn - 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 - Identify horizontal and vertical lines and pairs of perpendicular and parallel lines
Autumn 1	Money (1 week)	- Add and subtract amounts of money to give change, using both £ and p in practical contexts - Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
	Addition and Subtraction (2 weeks)	- Add and subtract umbers mentally, including: a three digit number and 1s, a three digit number and 10s, a three digit number and 100s - Add and subtract numbers wit up to 3 digits, using formal written methods of columnar addition and subtraction
	Place Value (2 weeks)	- Count from 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 3 digit number (100s, 10s, 1s) - Compare and order numbers up to 1,000 - Identify, represent and estimate numbers using different representations