Academy: St Nicholas C of E Long Term Map - Year 3 Maths

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn	Number: Place Value			Number: Addition and Subtraction				**Half Term**	Number: + & -	Number: Multiplication and Division				Consolidation	**End of term**
Spring	Number: M & D			Measure: Length and Perimeter			**Half Term**	Number: Fractions			Measurement: Mass and Capacity			***End of term Easter Holiday***	***End of term Easter Holiday***
Summer	Number: Fractions		Measure: Money		Measurement: Time		**Half term**	M: Time	Geometry: Properties of Shape		Statistics		Consolidation		***End of term Summer Holiday***

Number and Place Value	**AU**	**SP**	**SU**
• 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.			
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.			
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 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.			
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			
• Recognise and show, using diagrams, equivalent fractions with small denominators			

Fractions (continued)	**AU**	**SP**	**SU**
• Add and subtract fractions with the same denominator within one whole [for example, five sevenths add one seventh = six sevenths]			
• Compare and order unit fractions, and fractions with the same denominators			
• Solve problems that involve all of the above.			
Measures			
• 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].			
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.			
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.			

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