Year 3 Maths Medium Term Plan 2019-2020		
Weeks	**AUTUMN**	**Inspire coverage**
	Number – number and place value	
1-3	● 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 and four-digit numbers (thousands, hundreds, tens, ones) ● compare and order numbers up to 10,000 ● identify, represent and estimate numbers using different representations ● read and write numbers up to 10,000 in numerals and in words ● solve number problems and practical problems involving these ideas.	PB3A Unit 1: Numbers to 10 000 pp 6, 9 PB3A Unit 1: Numbers to 10 000 pp 9–10, 21–22 Own coverage
	Number – addition and subtraction	
4-10	● add and subtract numbers mentally, including: a three and four-digit number and ones a three and four-digit number and tens a three and four-digit number and hundreds ● add and subtract numbers with up to four digits, using formal written methods of columnar addition and subtraction ● solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	PB3A Unit 9: Mental Calculations pp 124–131 PB3A Unit 2: Addition of numbers within 10000 pp23 - 36 PB3A Unit 3: Subtraction of numbers within 10000 pp37- 55 PB Unit 4: Solving word problems 1: addition and subtraction pp56-61

	Number – multiplication	
11-15	• 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.	PB3A Unit 5: Multiplying by 6, 7, 8 and 9 pp 67–68 PB3A Unit 9: Mental Calculations pp 132–136 PB3A Unit 6: Multiplication pp 91–92
	Number – 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.	PB3A Unit 7: Division pp 93–95, 99–110 PB3A Unit 8: Solving Word Problems 2: Multiplication and Division pp 111–123
	Spring	**Inspire Coverage**

1-3	**Continue with Division and Multiplication**	As Above
4-8	**Measurement –money**	
	● add and subtract amounts of money to give change, using both £ and p in practical contexts	PB3B Unit 10: Money pp 6–10, 13–18, 22–26
	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.	PB3B Unit 13: Bar Graphs pp 56–67 PB3B Unit 13: Bar Graphs pp 62–67
9-11	**Measurement – length and perimeter**	
	● measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g);	PB3B Unit 11: Length, Mass and Volume pp 27–29, 33–44 PB3B Unit 12: Solving Word Problems: Length, Mass and Volume pp 45–46, 48
	● measure the perimeter of simple 2-D shapes	PB3B Unit 18: Area and Perimeter pp 163–165, 167, 172
	Number - 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** · **add and subtract fractions with the same denominator within one whole [for example, + =]** · **compare and order unit fractions, and fractions with the same denominators** · **solve problems that involve all of the above.**	Own coverage Own coverage Own coverage PB3B Unit 14: Fractions pp 69–74, 78–83 PB3B Unit 14: Fractions pp 84-90 Own coverage PB3B Unit 14: Fractions pp 70–71
	Summer Term	**Inspire Coverage**
1-3	**Number - Fractions - continued from above**	Continued from above
4-6	**Measurement - Time**	
	● 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	PB3B Unit 15: Time pp 91–94 PB3B Unit 15: Time pp 91–94 PB3B Unit 15: Time pp 105–110, 112–114 Own coverage

	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].	
	● 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].	PB3B Unit 15: Time pp 91–94 PB3B Unit 15: Time pp 91–94 PB3B Unit 15: Time pp 105–110, 112–114 Own coverage
7-8	**Geometry – properties of shapes**	
	● 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.	Own coverage PB3B Unit 16: Angles pp 115–122 PB3B Unit 16: Angles pp 123–126 PB3B Unit 17: Perpendicular and Parallel Lines pp 127–131, 138–142, 148

9-11	Measurement - Mass and Capacity	
	● measure, compare, add and subtract: volume/capacity (l/ml)	PB3B Unit 11: Length, Mass and Volume pp 27–29, 33–44 PB3B Unit 12: Solving Word Problems: Length, Mass and Volume pp 45–46, 48

Any additional weeks will be used for consolidation and/or application