College Road Primary School and White Rose Maths Progression in Place Value

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place value	Count to and across 100 forwards, backwards, beginning with 0 and 1 or from any given number. Count in multiples of 2, 5 and 10.	Count in steps of 2 or 3 and 5 from 0 and in tens from any number forward and backward	Count from zero in multiples of 4,8 50 and 100. Find 10 or 100 more or less than any given number.	Count in multiples of 6,7, 9, 25 and 1,000. Count backwards through 0 to include negative numbers.	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 Count forwards and backwards with positive and negative whole numbers, including through zero	Read, write, (order and compare) numbers up to 10 000 000 and determine the value of each digit
Autumn	Place value within 10. Block 1 Week 1 - 5	Place Value within 100. Block 1 Week 1 - 4	Place value within 1000 Block 1 Week 1 - 3	Place Value to 10,000 Block 1 week 1 - 3	Place Value to 100,000 Block 1 Week 1 - 3	Place Value to 10,000,000 Block 1 Week 1 and 2
Spring	Place value within 20 Block 1 Week 1 - 3 Place value within 50 Block 3 Week 7 – 8					
Summer	Place value within 100 Block 4 Week 7 and 8				Negative Numbers Week 9	

Place Value and Represent	• identify and represent numbers using objects and pictorial representations • read and write numbers to 100 in numerals • read and write numbers from 1 to 20 in numerals and words	• read and write numbers to at least 100 in numerals and in words • identify, represent and estimate numbers using different representations, including the number line	• identify, represent and estimate numbers using different representations • read and write numbers up to 1000 in numerals and in words	• identify, represent and estimate numbers using different representations • read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value	• read, write, (order and compare) numbers to at least 1 000 000 and determine the value of each digit • read Roman numerals to 1000 (M) and recognise years written in Roman numerals	• read, write, (order and compare) numbers up to 10 000 000 and determine the value of each digit

Place Value: Use and Compare	• given a number, identify one more and one less	• recognise the place value of each digit in a two-digit number (tens, ones) • compare and order numbers from 0 up to 100; use and = signs	• recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • compare and order numbers up to 1000	• find 1000 more or less than a given number • recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • order and compare numbers beyond 1000	• (read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit	• (read, write), order and compare numbers up to 10 000 000 and determine the value of each digit

Place Value: Problems and Rounding		• use place value and number facts to solve problem	• solve number problems and practical problems involving these ideas	• round any number to the nearest 10, 100 or 1000 • solve number and practical problems that involve all of the above and with increasingly large positive number	• interpret negative numbers in context • round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 • solve number problems and practical problems that involve all of the above	• round any whole number to a required degree of accuracy • use negative numbers in context, and calculate intervals across zero • solve number and practical problems that involve all of the above

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Small Steps Autumn	1. Sort objects 2. Count objects 3. Count objects from a larger group 4. Represent objects 5. Recognise numbers as words 6. Count on from any number 7. 1 more 8. Count backwards within 10 9. 1 less 10. Compare groups by matching 11. Fewer, more, same 12. Less than, greater than, equal to 13. Compare numbers 14. Order Objects and number 15. The number line	1. Numbers to 20 2. Count objects to 100 by making 10 3. Recognise 10's and 1's 4. Use a place value chart 5. Partition numbers to 100 6. Write numbers to 100 in words 7. Flexibly partition numbers to 100 8. Write numbers to 100 in the expanded form 9. 10's and 1's on the number line. 10. 10's and 1's on the number line to 100. 11. Estimate numbers on a number line 12. Compare objects	1. Represent numbers to 100 2. Partition numbers to 100 3. Number line to 100 4. Hundreds 5. Represent numbers to 1,000 6. Partition numbers to 1,000 7. Flexible partitioning of numbers to 1,000 8. Hundreds, tens and ones 9. Find 1,10 or 100 more or less 10. Number line to 1000 11. Estimate on a number line to 1,000 12. Compare numbers to 1,000	1. Represent numbers to 1000 2. Partition numbers to 1,000 3. Number line to 1,000 4. Thousands 5. Represent numbers to 10,000 6. Partition numbers to 10,000 7. Flexible partitioning of numbers to 10,000 8. Find 1,10, 100 or 1000 more or less 9. Number line to 10,000 10. Estimate on a number line to 10,000	1. Roman numerals to 1,000 2. Numbers to 10,000 3. Numbers to 100,000 4. Numbers to 1,000,000 5. Read and write numbers to 1,000,000 6. Powers of 10 7. 10/100/1000/ 10,000/ 100,000 more or less 8. Partition numbers to 1,000,000 9. Number line to 1,000,000 10. Compare and order numbers to 100,000	1. Numbers to 1,000,000 2. Numbers to 10,000,000 3. Read and write numbers to 10,000,000 4. Powers of 10 5. Number line to 10,000,000 6. Compare and order any integers 7. Round any integer 8. Negative Numbers

		13. Order objects and numbers 14. Count in 2's, 5's and 10's 15. Count in 3's	13. Order numbers to 1000 14. Count in 50's	11. Compare numbers to 10,000 12. Order numbers to 10,000 13. Roman numerals 14. Round to the nearest 10 15. Round to the nearest 100 16. Round to the nearest 1,000 17. Round to the nearest 10,100 or 1,000	11. Compare and order numbers to 1,000,000 12. Round to the nearest 10,100 or 1,000 13. Round within 100,000 14. Round within 1,000,000	
Small Steps Spring	**Block 1 Place Value to 20** 1. Count within 20 2. Understand 10 3. Understand 11,12,13 4. Understand 14,15,16 5. Understand 17,18,19 6. Understand 20 7. 1 more 1 less 8. Number line to 20					

	9. Use a number line to 20 10. Compare numbers to 20 11. Order numbers to 20 **Block 3 Place Value within 50** 1. Count 20 – 50 2. 20,30,40 and 50 3. Count by making groups of 10 4. Groups of 10's and 1's 5. Partition into 10's and 1's 6. The number line to 50 7. Estimate on a number line to 50 8. 1 more, 1 less					

Small Steps Summer	**Block 4 Place Value within 100** 1. Count from 50 -100 2. Tens to 100 3. Partition into tens and ones 4. The number line to 100 5. 1 more, 1 less 6. Compare numbers with the same number of tens 7. Compare any two numbers				1. Understand negative numbers 2. Count through zeros in 1's 3. Count through zeros in multiples 4. Compare and order negative numbers 5. Find the difference	

WRM Start negative numbers in Year 5!