



Maths Medium Term Plan – Year 5
Steps taken from White Rose Maths (v3.0)

AUT	1	2	3	4	5	6	7	8	9	10	11	12
Year 3	Number - Place Value			Number - Addition and Subtraction					Number - Multiplication and Division A			
Year 4	Number - Place Value			Number - Addition and Subtraction			Measurement - Area	Number - Multiplication and Division A			Consolidation	
Year 5	Number - Place Value		Number - Addition and Subtraction		Number - Multiplication and Division A			Number - Fractions A				
Year 6	Number - Place Value	Number - Addition, Subtraction, Multiplication and Division				Number - Fractions A		Number - Fractions B	Measurement - Converting Units			

Steps highlighted in red are Ready To Progress Criteria (RTP).

Autumn Term Block 1 Place Value (3 weeks / 15 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicate revision from previous year group

Step	Learning Outcome
1	L.O. I can read and write roman numerals to 1000.
2	L.O. I can use numbers to 10,000
3	L.O. I can use numbers to 100,000
4	L.O. I can use numbers to 1,000,000
5	L.O. I can read and write numbers to one million in numerals and words.
6	L.O. I understand powers of 10 and can give the value of a digit in more than one way.
7	L.O. I can identify 10, 100, 1000, 10 000, 100 000 more or less than a number (counting on and back in powers of 10).
8	L.O. I can partition numbers to 1,000,000.
9	L.O. I can position and label numbers to 1,000,000 on a number line.
10	L.O. I can compare and order numbers to 100,000.
11	L.O. I can compare and order numbers to 1,000,000.
12*	L.O. I can round numbers up to 5-digits to the nearest 10, 100 or 1000.
	Lesson 12 continued
13	L.O. I can round numbers up to 6-digits to the nearest 1000 or 10,000.
14	L.O. I can round numbers up to 6-digits to the 10,000 or 100,000.





Autumn Term Block 2 Addition and Subtraction (2 weeks / 10 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicate revision from previous year group

Step	Learning Outcome
1*	L.O. I can use mental strategies to add and subtract efficiently.
	Lesson 1 continued
2	L.O. I can use a written method to add integers with more than 4-digits.
3	L.O. I can subtract integers with more than 4-digits.
4	L.O. I can use rounding to help check an answer.
5	L.O. I can use inverse operations to check addition and subtraction calculations.
6*	L.O. I can solve multi-step addition and subtraction problems.
	Lesson 6 continued
7	L.O. I can compare the value of two calculations.
8	L.O. I can find missing numbers to make equivalent calculations.

Autumn Term Block 3 – Multiplication and Division A (3 weeks/15 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicate revision from previous year group

Step	Learning Outcome
1	I understand the word 'multiples' and can find multiples of numbers.
2*	I understand the phrase 'common multiples' and can find common multiples of numbers.
	Lesson 2 continued
3	I understand the word 'factors' and can find factors of numbers.
4*	I understand the phrase 'common factors' and can find common factors of numbers.
	Lesson 4 continued
5*	I understand the phrase 'prime numbers' and can identify them.
	Lesson 5 continued
6	I understand the phrase 'square numbers' and can identify them.
7	I understand the phrase 'cube numbers' and can identify them.
8	I can multiply whole numbers by 10, 100 and 1000.
9*	I can divide whole numbers by 10, 100 and 1000
	Lesson 9 continued
10*	I can multiply by multiples of 10, 100 and 1000. I can divide by multiples of 10, 100 and 1000.
	Lesson 10 continued





Autumn Term Block 4 – Fractions A (4 weeks / 20 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicate revision from previous year group

Step	Learning Outcome
1	I can find fractions which are equivalent to a unit fraction.
2	I can find fractions which are equivalent to a non-unit fraction
3	I can recognise equivalent fractions.
4	I can convert improper fractions to mixed numbers.
5	I can convert mixed numbers to improper fractions
6	I can compare fractions less than 1.
7	I can order fractions less than 1.
8	I can compare and order fractions greater than 1.
9	I can add and subtract fractions with the same denominator.
10	I can add fractions with different denominators within 1.
11*	I can add fractions with answers greater than 1.
	Lesson 11 continued
12	I can add to a mixed number.
13	I can add two mixed numbers.
14*	I can subtract fractions with different denominators.
	Lesson 14 continued
15	I can subtract with mixed numbers and improper fractions <u>without</u> breaking the whole.
16*	I can subtract with mixed numbers and improper fractions breaking the whole.
	Lesson 16 continued
17	I can subtract a mixed number from a mixed number.



SP R	1	2	3	4	5	6	7	8	9	10	11	12
Y3	Number - Multiplication and Division B			Measurement - Length and Perimeter			Number - Fractions A			Measurement - Mass and Capacity		
Y4	Number - Multiplication and Division B			Measurement - Length and Perimeter		Fractions				Decimals A		
Y5	Number - Multiplication and Division B			Number - Fractions B		Number - Decimals and Percentages			Measurement - Perimeter and Area		Statistics	
Y6	Number - Ratio		Number - Algebra		Number - Decimals		Number - Fractions, Decimals and Percentages		Measurement - Area, Perimeter and Volume		Statistics	

Spring Term Block 1 – Multiplication and Division B (3 weeks / 15 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicate revision from previous year group

Step	Learning Outcome
1 R	I can use a written method to multiply up to a 4-digit number by a 1-digit number.
2*	I can use the area model to multiply a 2-digit number by 2 a 2-digit number.
	Lesson 2 continued
3	I can use a formal written method to multiply a 2-digit number by a 2-digit number.
4*	I can use a formal written method to multiply a 3-digit number by a 2-digit number.
	Lesson 4 continued
5	I can use a formal written method to multiply a 4-digit number by a 2-digit number.
6	I can use efficient methods to solve problems with multiplication.
7*	I can use short division to divide a 3-digit number by a 1-digit number.
	Lesson 7 continued
8	I can divide a 4-digit number by a 1-digit number.
9	I can divide with remainders.
10*	I can use knowledge of factors to divide efficiently.
	Lesson 10 continued
11	L.O. I can solve problems with multiplication and division.





Spring Term Block 2 – Fractions B (2 weeks / 10 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicate revision from previous year group

Step	Learning Outcome
1	I can multiply unit fractions by an integer.
2	I can multiply non-unit fractions by an integer.
3	I can multiply mixed numbers by integers.
4	I can calculate unit fractions of a quantity.
5	I can calculate fractions of an amount.
6	I can use the fraction to find the whole.
7	I can use fractions as operators.

