Maths Medium Term Plan – Year 6
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 (2 weeks / 10 lessons)
* indicates steps that should be taught over 2 lessons
(R) indicates revision from previous year group

Step	Learning Outcome
1	L.O. I can identify the value of digits in numbers to 1,000,000.
2	L.O. I can identify the value of digits in numbers to 10,000,000.
3	L.O. I can read and write numbers to ten million in numerals and words.
4	L.O. I understand powers of 10 and can give the value of a digit in more than one way.
5*	L.O. I can identify missing numbers to 10,000,000 on a number line.
	Lesson 5 continued
6	L.O. I can compare and order any integer to 10,000,000.
7*	L.O. I can round any integer to the nearest power of 10.
	Lesson 7 continued
8	L.O. I can calculate with negative numbers.

Autumn Term Block 2 – Four Operations (5 weeks / 25 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicates revision from previous year group

Step	Learning Outcome
1	L.O. I can add and subtract integers up to 10,000,000.
2 (R)*	L.O. I can find common factors of numbers.
	Lesson 2 continued
3 (R)*	L.O. I can find common multiples of numbers.
	Lesson 3 continued
4 (R)*	L.O. I can identify rules of divisibility.
	Lesson 4 continued
5 (R)	L.O. I can identify prime numbers to 100.
6 (R)	L.O. I can identify square and cube numbers
7 (R)*	L.O. I can multiply up to a 4-digit number by a 2-digit number.
	Lesson 7 continued
8	L.O. I can solve word problems using multiplication.
9*	L.O. I can use the formal method of short division.
	Lesson 9 continued
10*	L.O. I can carry out division using factors.
	Lesson 10 continued
11	L.O. I can use the formal method of long division (no remainders).
12*	L.O. I can use the formal method of long division (with remainders).
	Lesson 12 continued
13	L.O. I can solve problems using division.
14	L.O. I can solve multi-step problems.
15*	L.O. I can use the order or operations correctly.
	Lesson 15 continued
16	L.O. I can use mental methods to calculate efficiently.
17	L.O. I can use known number facts to reason mathematically.

Autumn Term Block 3 – Fractions A (2 weeks / 10 lessons)

* indicates steps that should be taught over 2 lessons

(R) indicates revision from previous year group

Step	Learning Outcome
1	I can find equivalent fractions and simplify them including mixed numbers and improper fractions.
2	I can identify equivalent fractions on a numberline.

3	I can compare and order fractions using the denominator.
4	I can compare and order fractions using the numerator.
5	I can add and subtract fractions with different denominators.
6	I can add and subtract any two fractions.
7	I can add mixed numbers with different denominators.
8	I can subtract mixed numbers with different denominators.
9*	I can solve multi-step problems with fractions.
	Lesson 9 continued.

Autumn Term Block 4 – Fractions B (2 weeks / 10 lessons)
* indicates steps that should be taught over 2 lessons
(R) indicates revision from previous year group

Step	Learning Outcome
1 R	I can multiply fractions by integers (including mixed numbers).
2	I can multiply fractions by fractions.
3	I can divide a proper fraction by an integer.
4	I can divide any fraction by an integer.
5	I can solve problems involving fractions.
6 R	I can find a fraction of an amount.
7 R	I can find the whole when give the fraction of an amount.

Autumn Term Block 5 – Converting Units (1 week / 5 lessons)
* indicates steps that should be taught over 2 lessons
(R) indicates revision from previous year group

Step	Learning Outcome
1	I can choose the appropriate metric unit of measurement.
2 R	I can convert metric measurements.
3 R	I can solve problems using metric measurements.
4	I can convert between miles and kilometres.
5	I can solve problems using imperial measurements.

SPR	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 – Ratio (2 weeks / 10 lessons)
* indicates steps that should be taught over 2 lessons
(R) indicates revision from previous year group

Step	Learning Outcome
1	I can identify additive or multiplicative relationships.
2	I can use the language of ratio.
3	I can use the ratio symbol accurately.
4	I can express ratio as a fraction and vice versa.
5	I can draw a scale diagram on a grid.
6	I understand scale factors.
7	I understand similar shapes.
8	I can solve problems involving ratio.
9	I can solve problems involving proportion.
10	I can use scaling to solve problems with recipes.