Y5 Maths Long Term Plan 2026-27

Autumn

Main lesson	Y5 WRM Place Value 3 weeks	Y5 WRM Addition and Subtraction 2 weeks	Y5 WRM Multiplication and Division (A) 3 weeks	Y5 WRM Fractions 4 weeks	Y5 WRM Multiplication and Division (A) 3 weeks
	Step 1 Roman numerals to 1,000 **Step 2** Numbers to 10,000 **Step 3** Numbers to 100,000 **Step 4** Numbers to 1,000,000 **Step 5** Read and write numbers to 1,000,000 **Step 6** Powers of 10 **Step 7** 10/100/1,000/10,000/100,000 more or less **Step 8** Partition numbers to 1,000,000 **Step 9** Number line to 1,000,000 **Step 10** Compare and order numbers to 100,000 **Step 11** Compare and order numbers to 1,000,000 **Step 12** Round to the nearest 10, 100 or 1,000 **Step 13** Round within 100,000 **Step 14** Round within 1,000,000	**Step 1** Mental strategies **Step 2** Add whole numbers with more than four digits **Step 3** Subtract whole numbers with more than four digits **Step 4** Round to check answers **Step 5** Inverse operations (addition and subtraction) **Step 6** Multi-step addition and subtraction problems **Step 7** Compare calculations **Step 8** Find missing numbers	**Step 1** Multiples **Step 2** Common multiples **Step 3** Factors **Step 4** Common factors **Step 5** Prime numbers **Step 6** Square numbers **Step 7** Cube numbers **Step 8** Multiply by 10, 100 and 1,000 **Step 9** Divide by 10, 100 and 1,000 **Step 10** Multiples of 10, 100 and 1,000	**Step 1** Find fractions equivalent to a unit fraction **Step 2** Find fractions equivalent to a non-unit fraction **Step 3** Recognise equivalent fractions **Step 4** Convert improper fractions to mixed numbers **Step 5** Convert mixed numbers to improper fractions **Step 6** Compare fractions less than 1 **Step 7** Order fractions less than 1 **Step 8** Compare and order fractions greater than 1 **Step 9** Add and subtract fractions with the same denominator **Step 10** Add fractions within 1 **Step 11** Add fractions with total greater than 1 **Step 12** Add to a mixed number **Step 13** Add two mixed numbers **Step 14** Subtract fractions **Step 15** Subtract from a mixed number **Step 16** Subtract from a mixed number - breaking the whole **Step 17** Subtract two mixed numbers	**Step 1** Multiply up to a 4-digit number by a 1-digit number **Step 2** Multiply a 2-digit number by a 2-digit number (area model) **Step 3** Multiply a 2-digit number by a 2-digit number **Step 4** Multiply a 3-digit number by a 2-digit number **Step 5** Multiply a 4-digit number by a 2-digit number **Step 6** Solve problems with multiplication **Step 7** Short division **Step 8** Divide a 4-digit number by a 1-digit number **Step 9** Divide with remainders **Step 10** Efficient division **Step 11** Solve problems with multiplication and division
Maths Meetings (WRM)	*Maths Meetings this term to focus on:* *Y5 Statistics* *Y5 Geometry (Shape)* *Y5 Perimeter and Area* *Daily practice of 4 operations, fractions and time*				

Spring					
Main lesson	**Y5 WRM Fractions 2 Weeks** **Step 1** Multiply a unit fraction by an integer **Step 2** Multiply a non-unit fraction by an integer **Step 3** Multiply a mixed number by an integer **Step 4** Calculate a fraction of a quantity **Step 5** Fraction of an amount **Step 6** Find the whole **Step 7** Use fractions as operators	**Y5 WRM Decimals 3 Weeks** **Step 1** Decimals up to 2 decimal places **Step 2** Equivalent fractions and decimals (tenths) **Step 3** Equivalent fractions and decimals (hundredths) **Step 4** Equivalent fractions and decimals **Step 5** Thousandths as fractions **Step 6** Thousandths as decimals **Step 7** Thousandths on a place value chart **Step 8** Order and compare decimals (same number of decimal places) **Step 9** Order and compare any decimals with up to 3 decimal places **Step 10** Round to the nearest whole number **Step 11** Round to 1 decimal place **Step 12** Understand percentages **Step 13** Percentages as fractions **Step 14** Percentages as decimals **Step 15** Equivalent fractions, decimals and percentages	**Y5 Maths Mastery Reasoning with Large Numbers 2 weeks** Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. 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 the above. Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	**Y5 Maths Mastery Multiplication and Division 3 weeks** Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. Recognise and use square numbers and the notation for squared (2). Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. Establish whether a number up to 100 is prime and recall prime numbers up to 19. Multiply and divide whole numbers by 10, 100 and 1000. Multiply and divide numbers mentally drawing upon known facts. Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes. Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method. Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context. Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.	**Y5 Maths Mastery Perimeter and Area 1 week** Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of non-rectilinear shapes.
Maths Meetings (WRM)	*Maths Meetings this term to focus on:* *Y5 Negative Numbers* *Y5 Statistics and Geometry (Position and Direction)* *Daily practice of 4 operations, fractions and time*				

Summer				
Main lesson	**Y5 Maths Mastery** **Fractions and Decimals** **3 weeks** Compare and order fractions whose denominators are all multiples of the same number. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/ 5 + 6/5 = 1 1/5]. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Read and write decimal numbers as fractions [for example, 0.71 = 71/100]. Round decimals with two decimal places to the nearest whole number and to one decimal place. Read, write, order and compare numbers with up to three decimal places.	**Y5 Maths Mastery** **Angles** **3 weeks** Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees (o). Identify: angles at a point and on whole turn (total 360o); angles at a point on a straight line and 1/2 a turn (total 180o); other multiples of 90o.	**Y5 Maths Mastery** **Fractions, Decimals and Percentages** **3 weeks** Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal. Solve problems which require knowing percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and fraction and decimal equivalents of percentages that are 5 multiples of 10 and 25. Solve problems involving number up to three decimal places. Use all four operations to solve problems involving measure (for example: length, mass, volume, money) using decimal notation, including scaling.	**Y5 Maths Mastery** **Calculating with Whole Numbers and Decimals** **3 weeks** Use all four operations to solve problems involving measure (for example length, mass, volume, money) using decimal notation, including scaling. Solve problems involving number up to three decimal places. Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
Maths Meetings (WRM)	*Maths Meetings this term to focus on:* *Y5 Measurement (Converting Units and Volume)* *Daily practice of 4 operations, fractions and time*			