

Staplegrave Church School Maths Progression 2026 - 2027

Autumn term 7 weeks + 7 weeks

Block	Year 5 objectives	Year 6 objectives
Transition maths (3 days)		
Place Value Y5 - 4 wks Y6 – 2 wks	Prioritisation links Negative numbers cp-year-5-unit-3-negative-numbers.pptx (live.com) RTP 5NPV–2 and 5NPV– 3 (from p.17.) Mathematics guidance: year 5 (publishing.service.gov.uk) WR Place value Maths resources for teachers White Rose Maths • read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (2-5) • count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 (6-11) • interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero (3 – 7) • round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 (12-14) • solve number problems and practical problems that involve all of the above • read Roman numerals to 1000 (M) and recognise years written in Roman numerals. (1) • solve problems involving number up to three decimal places	Prioritisation links Numbers up to 10,000,000 cp-year-6-unit-3-numbers-up-to-10-000-000.pptx (live.com) WR Place value Maths resources for teachers White Rose Maths • read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (1-15) • round any whole number to a required degree of accuracy (16-18) • use negative numbers in context, and calculate intervals across zero solve number and practical problems that involve all of the above. (8) • solve problems which require answers to be rounded to specified degrees of accuracy (7)

	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	
Measures - converting Y5 - 2 wks Y6 – 3 wks	Prioritisation links Converting units cp-year-5-unit-9-converting-units.pptx (live.com) RTP 5NPV–5 Convert between units of measure Mathematics guidance: year 5 (publishing.service.gov.uk) - convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) - understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. - use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. (6)	WR Place value Maths resources for teachers White Rose Maths - solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate (2-3) - use, read, write and convert between standard units, converting measurements of length, mass, volume (next block) and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places (1-3) - convert between miles and kilometres (4)
Statistics Y5 1 Week	WR Statistics Maths resources for teachers White Rose Maths - solve comparison, sum and difference problems using information presented in a line graph (1-2) - complete, read and interpret information in tables, including timetable (3-5)	
Calculations 6 wks	Prioritisation Factors multiples and primes cp-year-5-unit-7-factors-multiples-and-primes.pptx (live.com) Calculating with fraction decimals cp-year-5-unit-6-calculating-with-decimal-fractions.pptx (live.com)	Prioritisation links Multiplication and division cp-year-6-unit-5-multiplication-and-division.pptx (live.com) WR

	RTP 5MD–3 Multiply using a formal written method 5MD–4 Divide using a formal written method 5MD–1 Multiplying and dividing by 10 and 100 Mathematics guidance: year 5 (publishing.service.gov.uk) WR Addition and subtraction Multiplication and Division A Multiplication B Maths resources for teachers White Rose Maths • add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) (2-3) • add and subtract numbers mentally with increasingly large numbers (taught through arithmetic) • use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy (4) • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. (6) • identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers (9-16) • know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers (9-16) • establish whether a number up to 100 is prime and recall prime numbers up to 19 (9-16) • 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 (p48) (1-5) • multiply and divide numbers mentally drawing upon known facts (taught through arithmetic)	Addition, Subtraction, multiplication and division Maths resources for teachers White Rose Maths Decimals Maths resources for teachers White Rose Maths • multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication (exchanging 8-9, 11) • divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context (2 digit interpreting remainders 15, 20-23) • divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context (24) • perform mental calculations, including with mixed operations and large numbers (taught through arithmetic starters) • identify common factors, common multiples and prime numbers (2,3, 5) • use their knowledge of the order of operations to carry out calculations involving the four operations (15) • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (14) • solve problems involving addition, subtraction, multiplication and division (taught through above objectives) • use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. (16) • multiply one-digit numbers with up to two decimal places by whole numbers (7)
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	- 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 (p54) - multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 (p42) - recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (4) (6) - solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes (6,11) - solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign - solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates Prioritisation division and multiplication up to 3 digits not 4)	use written division methods in cases where the answer has up to two decimal places (21-23)
Revisit place value - 1wk		

Spring term 6 weeks + 5 weeks

Block	Year 5 objectives	Year 6 objectives
Fractions 5 wks	Prioritisation links Fractions cp-year-5-unit-8-fractions.pptx (live.com) Decimals fractions cp-year-5-unit-1-decimal-fractions.pptx (live.com) WR Fractions A Maths resources for teachers White Rose Maths	Prioritisation links Fractions and percentages cp-year-6-unit-7-fractions-and-percentages.pptx (live.com) - use common factors to simplify fractions; use common multiples to express fractions in the same denomination (1-16) - compare and order fractions, including fractions > 1 (17-20) - add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (6-10)

	- compare and order fractions whose denominators are all multiples of the same number (21-22) - identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths (25 – 28) - 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, $5\frac{2}{4} = 5\frac{4}{6} = 1\frac{5}{6}$] (4-5) - add and subtract fractions with the same denominator and denominators that are multiples of the same number (9) - multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (3-7) - read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$] (31-34) - round decimals with two decimal places to the nearest whole number and to one decimal place (22-23) - read, write, order and compare numbers with up to three decimal places (24 – 25)	- multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $4\frac{1}{2} \times 2\frac{1}{6} = 8\frac{1}{6}$] (21-22) - divide proper fractions by whole numbers [for example, $3\frac{1}{2} \div 2 = 6\frac{1}{4}$] (23)
Revisit Calculation - 1wk		
Y5 Percentages 2 wks Y6 Percentages and Ratio 3 wks	WR Decimals and percentages Maths resources for teachers White Rose Maths - 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 (%) (11-14) - solve problems which require knowing percentage and decimal equivalents of $2\frac{1}{4}$, $4\frac{1}{4}$, $5\frac{1}{4}$, $5\frac{2}{4}$, $5\frac{4}{4}$ and those fractions with a denominator of a multiple of 10 or 25 (%) (14)	Prioritisation links Ratio and proportion cp-year-6-unit-7-fractions-and-percentages.pptx (live.com) Fractions and percentages cp-year-6-unit-7-fractions-and-percentages.pptx (live.com) WR Fractions, decimals and percentages Maths resources for teachers White Rose Maths solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts

		• solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison (3, 7-9) • solve problems involving similar shapes where the scale factor is known or can be found (8-10) • solve problems involving unequal sharing and grouping using knowledge of fractions and multiples • recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. (28 - 30) • associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$] (28 - 30)
Area / Perimeter / Volume Y5 – 2wks Y6 – 2 wks	Prioritisation links Area and scaling cp-year-5-unit-5-area-and-scaling.pptx (live.com) WR Perimeter and Area Maths resources for teachers White Rose Maths • measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres (1-2) • 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 irregular shapes (1-9) • estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water] (1-4)	Prioritisation links Area, perimeter, position and direction cp-year-6-unit-6-area-perimeter-position-and-direction.pptx (live.com) WR Maths resources for teachers White Rose Maths • recognise that shapes with the same areas can have different perimeters and vice versa (3-4) • calculate the area of parallelograms and triangles (1-2) • recognise when it is possible to use formulae for area and volume of shapes (taught through above 2 objectives) • calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units (for example, mm³ and km³) (7-8)
Revisit Fraction- 1wk		

Summer term 7 weeks + 7 weeks

Block	Year 5 objectives	Year 6 objectives
Time 1 wks	• solve problems involving converting between units of time (9)	N/A
Geometry: properties of shapes Y6 1 WK Geometry: position and direction Y5 3wks	Prioritisation links Angles cp-year-5-unit-10-angles.pptx (live.com) WR Shape Maths resources for teachers White Rose Maths • identify 3-D shapes, including cubes and other cuboids, from 2-D representations (1-3) • know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles (1-3) • draw given angles, and measure them in degrees (o) (3) • identify: - angles at a point and one whole turn (total 360o) - angles at a point on a straight line and 2 1 a turn (total 180o) - other multiples of 90o (1) • use the properties of rectangles to deduce related facts and find missing lengths and angles • distinguish between regular and irregular polygons based on reasoning about equal sides and angles. (9) • identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.	Prioritisation links Draw compose and decompose shape cp-year-6-unit-4-draw-compose-decompose-shapes.pptx (live.com) WR Shape Maths resources for teachers White Rose Maths • draw 2-D shapes using given dimensions and angles (10) • recognise, describe and build simple 3-D shapes, including making nets (2) • compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons (4-8) • illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius (9) • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. (1-3)
Year 5	Revisit Percentages and fractions – 1 wk	
Year 5	Revisit calculations – Week 1 formal written methods. Week 2 problem solving.	
Algebra	N/A	Prioritisation documents

1 wk		Solving problems with two unknowns cp-year-6-unit-11-solving-problems-with-two-unknowns.pptx (live.com) WR Algebra Maths resources for teachers White Rose Maths • use simple formulae (5) • generate and describe linear number sequences • express missing number problems algebraically (3-4, 6) • find pairs of numbers that satisfy an equation with two unknowns • enumerate possibilities of combinations of two variables. (After teaching WR strands, it must include 1-8 and 11 Prioritisation document. Enhanced learning would be 9-15)
Statistics Y6 1 WK		Prioritisation Mean average cp-year-6-unit-13-mean-average.pptx (live.com) WR Statistics Maths resources for teachers White Rose Maths • interpret and construct pie charts and line graphs and use these to solve problems (1-5) • calculate and interpret the mean as an average. (1-6)
	Revisit areas identified in PUMA – 4 weeks	Revision and SATs – 3 wks
	Move up work – 1 wk	Transition maths