Long Term Planning 2017-18

Maths- 5G

Term 1

Week Beg 4th Sept	Place Value and Rounding	Read, write and order numbers up to 1,000,000. Round numbers to the nearest 10, 100, 1000. Recognise Roman Numerals up to 50 (L)
Week Beg 11th Sept	Number and Decimals	Order and compare negative numbers. Mentally, add, subtract, multiply and divide with decimals numbers. Round and order decimals up to 3 decimal places
Week Beg 18th Sept	Addition and Subtraction	Add and Subtract whole numbers with more than 4 digits using formal written methods. Solve addition and subtraction problems in contexts. Use rounding/approximation to check answers and check level of accuracy.
Week Beg 25thSept	Addition and Subtraction	
Week Beg 2nd Oct	Geometry: Properties of Shapes	2D and 3D shapes and their properties. Understand parallel and perpendicular. Angles - acute, obtuse, reflex. Estimate angles
Week Beg 9th October	Multiplication and Division	Multiply and divide numbers mentally drawing upon known facts. Multiply and divide numbers by 10, 100, 1000
Week Beg 16th October	Measurement	Conversion between different units of measurement e.g. km and m; cm and m; g and kg; ml and L. Link back to Multiply and divide by 10, 100, 1000

Term 2

Week Beg 30th October	Multiplication	Multiply numbers up to four digits by one or two digit number using formal written method. Multiples and factors. Times tables and division facts.
Week Beg 6th Nov	Fractions, decimals and percentages	Read and write decimal numbers as fractions e.g. 0.71 = 71/100. Mentally add and subtract: tenths e.g. 0.8 - 0.3; one-digit whole numbers and tenths e.g. 3.4 + 2.6; complements of 1 e.g. 0.85 + 0.15 = 1
Week Beg 13th Nov	Fractions, decimals and percentages	Count forwards and backwards in fractions and decimals bridging zero. Identify, name and write equivalent fractions and make links to decimals and measures e.g. 37/100 = 0.37 and 37cm = 0.37m
Week Beg 20th Nov	Fractions, decimals and percentages	Compare and order fractions whose denominators are all multiples of the same number. Understand the per cent symbol (%) means parts per 100. Write percentage as fraction and decimal. Recognise percentages as proportions of quantities 40% are boys what percent are girls? As well as operators on quantities e.g. 40% of 30
Week Beg 27th Nov	Area and Perimeter	Measure and calculate the perimeter of composite shapes. Find perimeter of composite shapes when one or two sides are missing. Calculate and compare area of squares and rectangles using standard units (cm^2) or (m^2)
Week Beg 4th Dec	Geometry: Position and Direction	Reflections and translations - Identify, describe and represent the position of a shape following a reflection or translation.
Week Beg 11th Dec	Statistics	Complete, interpret and read tables including timetables.

Week Beg 18th December	Assessment and Feedback	Using and Applying Skills - PUMA test Feedback with pupils.

Term 3

Week Beg Thurs 4th January	Statistics	Complete, interpret and read graphs and tables including bus/train timetables
Week Beg 8th January	Multiplication and division	Recap on short division and long multiplication and applying these skills to real life contexts. Higher ability to look at inverse operations and algebra
Week Beg 22nd January	Number	Sequences, negative numbers in a context. Square, prime and cube numbers and using and applying (multi-step problems)
Week Beg 29th January	Geometry	Angles in a triangle and other shapes. Finding right angles and drawing shapes and shape properties.
Week Beg 5th February	Fractions, decimals and percentage	Equivalence between fractions, decimals and percentages. Adding and subtracting fractions with same denominator and with denominators with same multiples. Fractions of amounts.

Term 4

Week Beg 19th February	Measures	Conversions of units (Metric). Volume and area. Time, timetables
Week Beg 26th February	Book Week	
Week Beg 5th March	Area, Perimeter and Volume	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
Week Beg 12th March	Science Week	
Week Beg 19th March	Percentages	Converting between fractions, decimals and percentages (Competency test). Percentage change and percentage of amounts.
Week Beg 26th March	Assessments	PUMA assessment

Term 5

Week Beg 16th April	Ratio & Proportion	Introduction to ratio. Simplifying ratios. Ratio dividing. Introduction to proportion
Week Beg 23rd April	Negative Numbers and Operations in context	Counting backwards across zero. Negative numbers in a context. Two step problems, division and multiplication in a context

Week Beg 30th April	Place Value and Rounding	Place value up to 10,000,000. Reading and writing large numbers. Rounding numbers, including decimals to any degree of accuracy
Week Beg 7th May	Y5 OPTIONAL SATS	
Week Beg 14th May KS2 SATS	Fractions and decimals	Fractions of amounts and shapes. Simplifying fractions. Equivalent fractions. Fractions to decimals and vice versa.
Week Beg 21st May ARTS AND CULTURE WEEK	Geometry – measuring, drawing angles and angle problems	Using protractor to measure and draw angles. Using facts to solve angle problems.

Term 6

Week Beg 4th June	Revision and preparation for end of year assessments	Lower group – Number and calculations, rounding All – Fractions (conversions, of amounts, mixed numbers), Line graphs, Higher – Pie Charts, co-ordinates, proportion
Week Beg 11th June	Revision and preparation for end of year assessments	Lower group – conversions of measurements All – Geometry, measuring angles, drawing angles, calculating angles, area, perimeter and volume
Week Beg 18th June	SPORTS WEEK	
Week Beg 25th June	Assessment Week PUMA Summer, Arithmetic tests	
Week Beg 2nd July	School Camp	
Week Beg 9th July	Transition Week	
Week Beg 16th July	School Finishes 17th July	