

Long Term Planning 2018-19

Maths- 5BH/5D

Term 1

Week Beg 3rd 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 10th 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 17th 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 24th Sept	Addition and Subtraction	
Week Beg 1st Oct	Geometry: Properties of Shapes	2D and 3D shapes and their properties. Understand parallel and perpendicular. Angles - acute, obtuse, reflex. Estimate angles
Week Beg 8 th October	Multiplication and Division	Multiply and divide numbers mentally drawing upon known facts. Multiply and divide numbers by 10, 100, 1000
Week Beg 15 th 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 29 th 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 5th Nov	Fractions, decimals and percentages	Read and write decimal numbers as fractions e.g. $0.71 = \frac{71}{100}$. 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 12 th 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. $\frac{37}{100} = 0.37$ and $37\text{cm} = 0.37\text{m}$
Week Beg 19 th 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 26 th 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 3rd Dec	Geometry: Position and Direction	Reflections and translations - Identify, describe and represent the position of a shape following a reflection or translation.
Week Beg 10 th Dec	Statistics	Complete, interpret and read tables including timetables.

Week Beg 17 th December	Assessment and Feedback	Using and Applying Skills - PUMA test Feedback with pupils.
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Term 3

Week Beg Thurs 3rd January	Statistics	Complete, interpret and read graphs and tables including bus/train timetables
Week Beg 7 th 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 14th January	Number	Sequences, negative numbers in a context. Square, prime and cube numbers and using and applying (multi-step problems)
Week Beg 21 st January	Geometry	Angles in a triangle and other shapes. Finding right angles and drawing shapes and shape properties.
Week Beg 28 th January and 4 th Feb	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 25th February	Measures	Conversions of units (Metric). Volume and area. Time, timetables
Week Beg 4 th March	Book Week	
Week Beg 11 th March	Area, Perimeter and Volume	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
Week Beg 18 th March	Science Week	
Week Beg 25 th March	Percentages	Converting between fractions, decimals and percentages (Competency test). Percentage change and percentage of amounts.
Week Beg 1 st Apr	Assessments	PUMA assessment

Term 5

Week Beg 23rd April	Ratio & Proportion	Introduction to ratio. Simplifying ratios. Ratio dividing. Introduction to proportion
Week Beg 29 th Apr	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 6 th May	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 13 th May KS2 SATS		
Week Beg 20 th May	Fractions and decimals	Fractions of amounts and shapes. Simplifying fractions. Equivalent fractions. Fractions to decimals and vice versa.
Week Beg 21 st 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 3 rd 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 10 th 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 17 th June	SPORTS WEEK	
Week Beg 24 th June	Assessment Week PUMA Summer, Arithmetic tests	
Week Beg 1 st July	School Camp	
Week Beg 8 th July	Transition Week	
Week Beg 15 th July		