Long Term Planning 2018-19

Numeracy – Class 6G

Term 1

Week Beg 3rd September	Place Value and Rounding	Read, write and order numbers up to 10,000,000. Round any number to any degree of accuracy. Recognise Roman Numerals.
Week Beg 10th September	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
Week Beg 17th September	Four Operations	Add and Subtract numbers with more than 4 digits and decimals using formal written methods. Solve addition and subtraction problems in contexts. Use rounding/approximation to check answers and check level of accuracy. Long and Short Division and long Multiplication – Multiply and Division in a context
Week Beg 24th September	Four operations	
Week Beg 1st October	Geometry: Properties of Shapes	Translations and coordinates. Missing coordinates to complete shapes. Properties of 2D shapes an drawing them accurately. Nets of 3D shapes (Cubes)
Week Beg 8th October	Algebra	Use symbols to represent variables. Using formulae and solving simple equations
Week Beg 15th October	Ratio and proportion	Solve problems involving the relative sizes of two quantities. Adjusting Recipes and dividing amounts into shared ratios

Term 2

Week Beg 29th October	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 5th November	Fractions, decimals and percentages	Use common factors to simplify fractions and use common multiples to express fractions in the same denominator. List equivalent fractions to identify fractions with common denominators. and make links to decimals and measures e.g. 37/100 = 0.37 and 37cm = 0.37m
Week Beg 12th November	Fractions, decimals and percentages	Compare and order fractions including fractions that are bigger than 1. 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 19th November	Measurement	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). Area of triangles and parallelograms.
Week Beg 26th November	Geometry: Position and Direction	Reflections and translations - Identify, describe and represent the position of a shape following a reflection or translation.

Week Beg 3rd December	Statistics	Interpret and construct pie charts and line graphs and use these to solve problems
Week Beg 10th December	Algebra	Solving equations. Writing and using formulae. Enumerate all possibilities of combinations of two variables
Week Beg 17th December	Assessment and Feedback	Using and Applying Skills - PUMA test Autumn - Feedback with pupils.

Term 3

Week Beg 3rd January	Statistics	Calculate and interpret the **mean** as an average. Use scatter graphs/ conversion graphs (e.g. pound to euro conversions)
Week Beg 7th 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. All to look at **word based problems** involving multiplication and division. **Long Division** to be looked at in more detail.
Week Beg 14th January	Number	**Negative numbers** in a context. **Square, prime** and **cube** numbers. **Factors (HCF), Multiples (LCM), Primes** and **prime factors.**
Week Beg 21st January	Geometry	Compare and classify **geometric shapes** based on their properties and sizes. E.g. **Parallel sides, lines of symmetry**). Find **unknown angles** in any triangle, quadrilateral and regular polygons. **Vertically opposite angles** and describing them algebraically e.g. a=180 – (b+c)
Week Beg 28th January	Fractions, decimals and percentage	Associate fractions with division and calculate decimal fraction equivalents e.g. 0.375 = 5/8. Add and subtract fractions with different denominators and mixed numbers.
Week Beg 4th February	Measure	Conversions of units (Metric). Volume and area. Time

Term 4

Week Beg 18th February	Ratio and Proportion	Solve problems involving similar shapes where the scale factor is known or can be found. E.g two rectangles, the smaller one is 10cm by 15cm the larger one has a width of 30cm so what is the length. Solve problems involving unequal sharing. Solve problems involving the calculation of percentages.
Week Beg 25th February	SATS REVISION	Begin the process of practice papers and analyse of the results. Focus on problem areas during individual lessons and repeat. Areas of focus likely to be: Algebra, Pie charts, Word based problems, Ratio and proportion.
Week Beg 4th March		
Week Beg 11th March		
Week Beg 18th March		

Week Beg 25th March		Ensure Arithmetic is well known to enable scores of 35+ by ALL pupils.

Term 5

Week Beg 15th April	SATS REVISION	As above.
Week Beg 22nd April		Fractions, decimals and percentages – multiplying and dividing integers by fractions
Week Beg 29h April		
Week Beg 6th May		
Week Beg 13th May	SATS Week	SATS Assessments
Week Beg 20th May		

Term 6

Week Beg 3rd 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 10th 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 Higher –
Week Beg 17th June	Assessment Week	PUMA Summer, Arithmetic tests.
Week Beg 24th June		
Week Beg 1st July	Handover – School Camp	
Week Beg 8th July	School Finishes	