Year 3 – Spring Term

Some units such as Shape, Statistics, Money and Time are new to this term; other units have some new elements but generally will offer children the chance to review steps covered in the Autumn term and to apply these skills at an increasingly challenging level, incorporating more opportunities for the children to solve problems, investigate, hypothesise, explain and reason about Maths

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Time - analogue and Roman Numerals	Place Value	Addition/subtraction	Multiplication/division	Fractions
• understand how the Roman numeral system works (1-12) • Use 5 times table to tell time to 5 minutes • tell time to the minute • solve problems involving analogue time • explain how to record digital time from an analogue clock	• read, write, interpret and represent numbers to 1000 in images and figure • partition and recombine numbers to 1000, For example 347 = 300 + 40 + 7 or 7 + 400 + 80 = 487 • understand how numbers can be partitioned in different ways e.g. 356 = 200 + 150 + 5 or 608 = 60 tens and 8 ones • Compare and order numbers to 1000 • Estimate or explain exactly where to place numbers a number line to 1000 • add and subtract multiples of 1, 10 and 100 to and from any 3-digit number without exchange (for example 389 – 700) and with exchange (for example 519 – 20) • understand and count in hundreds and fifties	• add and subtract numbers with up to three digits, including those involving exchange • know how to find complements of 100; use it to calculate 56 + 44 = 100 or ? + 23 = 100 or 100 – 49 = ? or how much change from £1 • estimate the answer to an addition or subtraction calculation using rounding • use inverse operations to make fact families, using 3-digit numbers and use this knowledge to check answers • apply addition and subtraction strategies to mixed problems. • Develop mental strategies e.g compensation method, count on, partition	• Use arrays/rectangular grids to understand the link between multiplication and division • solve problems involving multiplication and division by 3 • solve problems involving multiplication and division by 4 • solve problems involving multiplication and division by 8 • find related multiplication and division facts from known facts • Use formal method of multiplication of 2 digit and 3-digit numbers by a single digit (with carries) • Using known facts within the 12 x 12 tables square, divide a 2-digit number by 1-digit number with remainders • use manipulatives and images to support division of a 2-digit number by a 1-digit number, without and then with exchange	• compare and order unit fractions and fractions with the same denominator • add and subtract fractions with the same denominator, including subtracting from a whole • find unit and non-unit fractions of a set of objects • use a number line to find equivalent fractions • solve a variety of fraction-based problems

Unit 6	Unit 7	Unit 8	Unit 9
Statistics – tables and pictograms	Shape (2D and 3D)	Measure – perimeter	Measure (money)
• Interpret and answer questions from data in a pictogram • Represent data in a pictogram • Interpret and answer questions from data in a table • Interpret and answer questions from data in two-way tables	• Recognise angle as a measurement of turn • Identify right angles in various orientations • Compare angles as being larger or smaller than a right angle • Measure and draw lines accurately (cm and mm) • Identify horizontal and vertical lines • Recognise parallel and perpendicular lines (separately and within shapes) • Recognise and describe 2-D shapes, using mathematical language • Draw polygons • Recognise and describe 3-D shapes	• Explain what perimeter means and calculate it by counting squares around it • Use knowledge of properties of shape to calculate perimeters • measure the perimeter of different shapes • add lengths to calculate the perimeter	• read and count pounds and pence • convert pence in to pounds and pence • add and subtract amounts of money using different representations • calculate the difference to find change • solve two-step money problems