Year 3   Spring Term

Mathematical aspect			Curriculum statement
U & A	Unit 1	Number, place value and rounding, number sense	● To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number. ● To recognise the place value of each digit in a three-digit number (hundreds, tens, ones). ● To compare and order numbers up to 1000. ● To identify, represent and estimate numbers using different representations. ● To read and write numbers up to 1000 in numerals and in words. ● To solve number problems and practical problems involving these ideas.
U & A	Unit 2	Use partitioning to add and subtract two-digit numbers	●To add and subtract numbers mentally, including: ● a three-digit number and ones ● a three-digit number and tens ● a three-digit number and hundreds. ● To estimate the answer to a calculation and use inverse operations to check answers. ● To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
U & A	Unit 3	Multiplication and division: multiplying one- digit numbers by multiples of 10	●To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To explain the effect of multiplying by 10 and multiples of 10. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects
U & A	Unit 4	Measurement: adding and subtracting money	●To add and subtract amounts of money to give change, using both £ and p in practical contexts.
U & A	Unit 5	Geometry: Recognising and drawing right angles in 2D shapes	●To recognise angles as a property of shape and associate angles with turning. ● To identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.
U & A	Unit 6	Addition and subtraction of two- digit numbers using columns	●To add and subtract numbers with up to three digits, using the formal written methods of columnar addition and subtraction. ● To estimate the answer to a calculation and use inverse operations to check answers. ● To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

U & A	Unit 7	Multiplication and division: multiplying by multiples of 10, and dividing with remainders	●To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects. Knowing when to round the quotient up or round down with remainders.
U & A	Unit 8	Multiplication and division: multiplying and dividing larger numbers	●Pupils develop reliable written methods for multiplication and division, starting with calculations of two-digit numbers by one-digit numbers and progressing to the formal written methods of short multiplication and division.
U & A	Unit 9 & 10	Fractions: representing, comparing and ordering unit and non-unit fractions of shapes and numbers	●To count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. ● To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. ● To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. ● To recognise and show, using diagrams, equivalent fractions with small denominators. ● To compare and order unit fractions, and fractions with the same denominators. ● To solve problems that involve all of the above.
U & A	Unit 11	Measuring using grams and kilograms	●To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
U & A	Unit 12	Statistics: Read and interpret bar charts, using scales	● To interpret and present data using bar charts, pictograms and tables. ● To solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.