Medium term Plans for Spring Year 5

Week	Main focus of teaching and activities each day
1	***Place value and negative numbers*** ***Written Addition*** Place value in 6-digit numbers (PV + and -, compare numbers). Add and subtract 1, 10, 100, 1000, 10,000 and 100,000 to/from six-digit numbers Place 6-digit numbers on number lines and round to the nearest 100 or 1000. Use negative numbers in context of temperature; Calculate rises and falls in temperature. Use negative numbers in the context of temperature; Find differences between temperatures.
2	***Mental addition and subtraction including money*** Use place value to add and subtract; add and subtract near multiples of 100 and 1000. Use counting up (Frog) to subtract four digit-numbers from multiples of 1000. Subtract pairs of two-digit numbers with one decimal place. Use frog to find change from £100; use column addition to add amounts. Use Frog to find the difference between amounts of money.
3	***Place value and*** ***Addition of decimals*** Place value addition and subtraction of numbers with 2 decimal places. Multiply and divide by 10, 100 and 1000. Round decimals to the nearest whole and tenth. Use written addition to add decimals; use rounding to estimate totals. Adding decimal numbers.
4	***Co-ordinates and line graphs*** Plot points and draw polygons in two quadrants. Work out new co-ordinates after a translation. Reflect a shape and write the new co-ordinates. Draw line graphs of times tables. Draw a conversion graph of imperial to metric units and use it to read off equivalent measures.

Week	Main focus of teaching and activities each day
5	***Mental multiplication and division; written multiplication*** Find lowest common multiples and highest common factors. Use mental strategies (factors and multiples) to multiply by 5, 20, 6, 4 and 8. Use mental strategies to divide by 5, 20, 6, 4 and 8. Use short multiplication to multiply 4-digit numbers by 1-digit numbers; Use rounding to approximate. Use short multiplication to multiply 4-digit no.'s by 1-digit numbers; Use commutativity of X.
6	***Fractions, decimals and word problems*** Revise comparing fractions with related denominators using equivalence. Use mental division strategies to find unit fractions of amounts. Find non-unit fractions of amounts. Find fractions, multiply and divide to solve word problems. Know decimal equivalents for halves, quarters, fifths, tenths and hundredths.
7	***Written division; multiplying fractions*** Use short division to divide three-digit numbers by single-digit numbers Use short division to divide three-digit numbers by single-digit numbers including where the first digit is less than the divisor Use short division to divide three-digit numbers by single-digit numbers; divide any remainders to give fractions Multiply unit fractions by whole numbers Multiply non-unit fractions by whole numbers

Week	Main focus of teaching and activities each day
8	***Place value and Subtraction*** Use place value to add and subtract to/from 6-digit numbers Compare 6-digit numbers and round to the nearest 10, 100, 1000, 10,000 and 100,000 Use decomposition to subtract pairs of five-digit numbers Use decomposition to subtract pairs of five-digit numbers Use decomposition to subtract pairs of five-digit numbers and four-digit numbers from five-digit numbers; solve word problems
9	***Perimeter, area and volume*** Find the perimeters of rectangles and composite shapes Work out the missing lengths of sides in order to find perimeters Find areas of squares and rectangles in cm^2 or m^2 Estimate area of irregular shapes; calculate the area from scale drawings Find and estimate volumes
10	***Number, place value and written subtraction*** Multiply and divide by 10, 100 and 1000 Place numbers with two decimal places on a line, round to the nearest tenth or whole Use Frog (counting up) to subtract pairs of nos with same number of decimal places Use Frog (counting up) to subtract pairs of numbers with different numbers of decimal places, e.g. 3.2 – 1.78 and 5.34 – 3.7 Use counting up to find change and differences between prices; Solve subtraction word problems

Week	Main focus of teaching and activities each day
11	***Mental & written addition & subtraction; Written x and ÷*** Revise column addition of four-digit and five-digit numbers Revise column addition and subtraction of four-digit and five-digit numbers Use place value to add and subtract; add and subtract near multiples of 100, 1000 and 10,000 Use short multiplication to multiply four-digit numbers (including amounts of money) by single-digit numbers Use short division to divide four-digit numbers by single-digit numbers

Title of topic – colour code (see below)

GREEN – Place Value or number
ORANGE – Addition or subtraction
PURPLE – Multiplication or division (inc. scaling or square/cube numbers or multiples and factors...)
GREY – Fractions or decimals or percentages or ratio
BLUE – shape or measures or data
BROWN – Algebra