Marston Moreteyne VC School Maths Curriculum Year Four Overview

Number – Number and Place Value

*I can count in multiples of 6,7, & 9
* I can count in multiples of 25 and 1000
* I can recognise the place value of each digit in a 4 digit number
*I can find 1000 more or less than a given number
*I can count backwards and forwards through zero into negative numbers
*I can solve number puzzles and problems using 4 digit numbers
*I can read and write four digit numbers
*I can order four digit + numbers
*I can compare four digit + numbers using < and >
*I can represent four digit numbers using different resources
*I can estimate the position of four digit numbers on a number line
*I can read Roman numerals to 100
* I can round any number to the nearest 10, 100 and 1000
*I can explain that numbers less than one whole can be expressed as a decimal number
*I can compare numbers with two decimal places
*I can round decimals with one decimal place to the nearest whole number

Number -Addition and Subtraction

*I can add and subtract 2- digit numbers using mental strategies
*I can add up to four digit numbers using the column method
*I can subtract up to four digit numbers using column method
*I can solve addition and subtraction two step problems
*I can use estimating to check my answers
*I can use the inverse to check my answers to my calculations
*I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Number –Multiplication and Division

*I can find factor pairs to match a product eg ? x ? =28
*I can recall multiplication facts up to 12 x 12
*I can multiply HTU x U numbers using a written method
*I can multiply three, one digit numbers
*I can solve problems involving multiplication
*I can use place value to multiply and divide numbers by 1,10&100
e.g. 17÷100 =0.17
*I can identify patterns in number sequences with varying steps
I can recall division facts up to 12x12

Geometry -Shape

*I can compare and classify regular and irregular shapes.
*I can compare and describe quadrilaterals.
*I can compare, describe and classify triangles.
* I can identify acute and obtuse angles.
* I can compare and order angles by size up to 180o
* I can identify lines of symmetry in 2-D shapes presented in different orientations.
* I can complete symmetrical patterns.

Geometry – Position/Direction

*I can describe positions on a 2D grid as coordinates in the first quadrant and in all four quadrants.
*I can describe and make translations of a shape left, right, up and down.
* I can plot specified points and draw sides to complete regular and irregular polygons

Statistics

*I can interpret and present discreet and continuous data using bar charts
*I can interpret and present data using time graphs
*I can solve problems using information in graphs, pictograms and tables

Measures- Money

*I can estimate, compare and calculate totals of using money e.g. £/p
* I can continue to solve increasingly complex problems involving money.

Measures- Measures

*I can convert between different units of measure e.g. 2.5km = 2500m, 2 hours = 120m and use this knowledge to solve problems.
*I can measure and calculate the perimeter of rectilinear polygons in centimetres and metres.
* I can find the area of rectilinear shapes by counting squares.
* I can relate and find ways to calculate the area of a shape by using multiplication.

Measures- Time

*I can read and write time using the 24 hour clock
*I can convert between digital and analogue time
*I can solve time problems including conversions
I can say how many days in each month, year and leap year.

Fractions

*I can recognise decimal equivalents of quarter, half and three quarters
*I can write the decimals equivalents of quarter, half and three quarters
*I can recognise equivalent fractions using diagrams to help me
add and subtract fractions with the same denominator
*I can compare fractions using diagrams to help
*I can order fractions using diagrams to help
*I can find fractions of an amount (thirds, sixths, sevenths etc.)