Y4 Mathematics Curriculum

A: Number and Place Value

1. I can count in multiples of 6, 7, 9, 25 and 1000

2. I can find 1000 more or less than a given number

3. I can count backwards through zero to negative numbers

4. I can recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).

5. I can compare and order numbers beyond 1000.

6. Identity, represent and estimate numbers using different equipment, images and drawings.

7. I can round any number to the nearest 10, 100 or 1000.

8. I can solve number and practical problems using all of the above and increasingly large numbers.

9. I can read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.

B: Number – addition and subtraction

1. I can add numbers with up to 4 digits, using column addition

2. I can subtract numbers with up to 4 digits, using column subtraction

3. I can estimate and use inverse operations to check answers to a calculation.

4. I can solve 2 step problems in context using addition and subtraction.

C: Number – multiplication and division

1. I can recall all multiplication and division facts up to 12 x 12

2. I can use place value and multiplication facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.

3. I can change the order of numbers in a multiplication calculation to help me solve the calculation quickly.

4. I recognise and use factor pairs to help me solve the calculation quickly.

5. I can multiply two-digit and three-digit numbers by a one-digit number using formal written method.

6. I can solve different types of multiplication problems using multiplication then adding.

D: Fractions

1. I can recognise and show, using diagrams, families of common equivalent fractions.

2. I can count up and down in hundredths.

3. I can find hundredths by dividing an object by one hundred and by dividing tenths by ten.

4. I can find fractions of amounts.

5. I can solve fractions of amount problems involving increasingly harder fractions.

6. I can add and subtract fractions with the same denominator.

7. I can find equivalent decimals to tenths and hundredths fractions.

8. I can find equivalent decimals to ½, ¼ and ¾.

9. I can divide a 1 or 2 digit number by 10 and 100 and known the value of the digits in the answer.

10. I can round decimals with one decimal place to the nearest whole number

11. I can compare numbers with the same number of decimal places up to two decimal places.

12. I can solve simple measure and money problems involving fractions and decimals to two decimal places.

E: Measurement

1. I can convert between metric units of measurement.

2. I can estimate, calculate and compare different measures including money £, p.

3. I can measure and calculate the perimeter of a shape made up of rectangles in cm and m.

4. I can find the area of shapes made up of rectangles by counting squares.

5. I can read, write and convert time between analogue and digital 12- and 24-hour clocks.

6. I can solve problems involving converting between units of time (hours to minutes; minutes to seconds; years to months; weeks to days).

F: Geometry – properties of shapes

1. I can compare and classify geometric shapes including quadrilaterals and triangles.

2. I can identify and order acute, obtuse and right angles and order angles by size.

3. I can identify lines of symmetry in 2-D shapes presented in different orientations.

4. I can draw and complete a given symmetrical shape or pattern.

G: Geometry – position and direction

1. I can read and plot co-ordinates in the first quadrant

2. I can translate a shape on the co-ordinate grid using left, right, up and down

3. I can plot co-ordinates and draw sides to complete a given polygon.

H: Statistics

1. I can draw and interpret bar charts.

2. I can draw and interpret time graphs.

3. I can compare information presented in bar charts, pictograms, tables and other graphs.