Worlingham CEVC Primary School

End of Unit Outcomes in Maths (Year 2) EXPECTED (At National Standard)

Year 2 Number and Place Value

Number and Place Value

Sufficient evidence shows the ability to:

- ❑ Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.
- ❑ Recognise the place value of each digit in a two-digit number (tens, ones).
- ❑ Identify, represent and estimate numbers using different representations, including the number line.
- ❑ Compare and order numbers from 0 up to 100; use <, > and = signs.
- ❑ Read and write numbers to at least 100 in numerals and in words.
- ❑ Use place value and number facts to solve problems.

Addition and Subtraction

Sufficient evidence shows the ability to:

- ❑ Solve problems with addition and subtraction:
- ❑ using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods.
- ❑ Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.
- ❑ Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers.
- ❑ Add three one-digit numbers.
- ❑ Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.
- ❑ Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Multiplication and Division

Sufficient evidence shows the ability to:

- ❑ Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
- ❑ Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.
- ❑ Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.
- ❑ Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

Fractions

Sufficient evidence shows the ability to:

- ❑ Recognise, find, name and write fractions 1/2, 1/3, 1/4, 2/4, 3/4 of a length, shape, set of objects or quantity.
- ❑ Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and ½.

Year 2 Geometry and Measures

Measures

Sufficient evidence shows the ability to:

- ❑ Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.
- ❑ Compare and order lengths, mass, volume/capacity and record the results using >, < and =.
- ❑ Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value
- ❑ Find different combinations of coins that equal the same amounts of money.
- ❑ Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
- ❑ Compare and sequence intervals of time.
- ❑ Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
- ❑ Know the number of minutes in an hour and the number of hours in a day.

Geometry – Properties of Shapes

Sufficient evidence shows the ability to:

- ❑ Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- ❑ Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.
- ❑ Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid].
- ❑ Compare and sort common 2-D and 3-D shapes and everyday objects.

Geometry – Position and Direction

Sufficient evidence shows the ability to:

- ❑ Order and arrange combinations of mathematical objects in patterns and sequences.
- ❑ Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).

Statistics

Sufficient evidence shows the ability to:

- ❑ Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
- ❑ Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
- ❑ Ask and answer questions about totalling and comparing categorical data.