# Year 2 Maths Overview

# Cathcart Street Primary School 2023-2024

| | Autumn 1 | Spring 1 | Summer 1 |
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| | **Year 2 NC Objectives** | **Year 2 NC Objectives** | **Year 2 NC Objectives** |
| **Maths – 1st half term** | **NUMBER: Place Value**<br>• Read and write numbers to at least 100 in numerals and in words<br>• Identify, represent and estimate numbers using different representations, including the number line<br>• Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward<br>• Recognise the place value of each digit in a 2-digit number (tens, ones)<br>• Compare and order numbers from 0 up to 100; use <, > and = signs<br>• Use place value and number facts to solve problems.<br><br>**NUMBER: Addition & Subtraction**<br>• Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100<br>• Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers and adding three 1-digit numbers.<br>• Compare and order numbers from 0 up to 100; use < ,> and = signs. | **MEASUREMENT: Money**<br>• Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value<br>• Find different combinations of coins that equal the same amounts of money<br>• Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change<br><br>**NUMBER: Multiplication and Division**<br>• Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs<br>• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot<br>• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers | **NUMBER: Fractions**<br>• Recognise, find, name and write fractions 1/ 3 , 1/ 4 , 2 /4 and 3 /4 of a length, shape, set of objects or quantity<br>• Write simple fractions, for example 1 /2 of 6 = 3 and recognise the equivalence of 2 /4 and 1/ 2<br><br>**MEASUREMENT: Time**<br>• Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clockface to show these times<br>• Know the number of minutes in an hour and the number of hours in a day<br>• Compare and sequence intervals of time |

| | **Autumn 2** | **Spring 2** | **Summer 2** |
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| **Maths – 2nd half term** | **NUMBER: Addition & Subtraction**<br>• Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100<br>• Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers and adding three 1-digit numbers.<br>• Compare and order numbers from 0 up to 100; use < ,> and = signs.<br>• Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot<br>• Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.<br><br>**GEOMETRY: Shape**<br>• Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line.<br>• Compare and sort common 2-D and 3-D shapes and everyday objects.<br>• Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces<br>• Identify 2-D shapes on the surface of 3-D shapes | **Measurement: Length and Height**<br>• 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<br>• Compare and order lengths, mass, volume/capacity and record the results using >, < and =.<br>• Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures<br>• Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts<br><br>**Measurement: Mass, Capacity and Temperature**<br>• 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<br>• Compare and order lengths, mass, volume/capacity and record the results using >, < and =<br>• Compare and order lengths, mass, volume/capacity and record the results using >, < and = | **Statistics**<br>• Interpret and construct simple pictograms, tally charts, block diagrams and simple tables<br>• Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity<br>• Interpret and construct simple pictograms, tally charts, block diagrams and simple tables<br>• Ask and answer questions about totalling and comparing categorical data<br>• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers<br><br>**Geometry: Position and Direction**<br>• 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)<br>• order and arrange combinations of mathematical objects in patterns and sequences |
| **Vocabulary** | **Key vocabulary Building on Y1 maths vocabulary** | | |

| Number and Place Value | Measure | Geometry (Position and Direction) | Geometry (Properties of Shape) | Fractions | Data / Statistics | Problem Solving and Reasoning |
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| numbers to one hundred<br><br>hundreds<br><br>partition, recombine<br><br>hundred more/less | quarter past quarter to<br><br>metres /kilometres grams / kilograms, millilitres /litres<br><br>temperature (degrees) | rotation<br><br>clockwise, anticlockwise<br><br>straight line<br><br>ninety degree turn, right angle | size<br><br>bigger, larger, smaller<br><br>symmetrical, line of symmetry<br><br>fold<br><br>match<br><br>mirror line, reflection<br><br>pattern, repeating pattern | three quarters, one third, a third<br><br>equivalence, equivalent | count, tally, sort<br><br>vote<br><br>graph, block graph, pictogram,<br><br>represent<br><br>group, set, list, table<br><br>label, title<br><br>most popular, most common, least popular, least common | predict<br><br>describe the pattern, describe the rule<br><br>find, find all, find different<br><br>investigate |