# Mathematics Mastery Curriculum Map: Year 2

## Autumn

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Numbers within 100** | | **Addition and subtraction of 2-digit numbers** | | **Addition and subtraction word problems** | | **Measures: Length** | | **Graphs** | **Multiplication and division** | | |
| • Read, write, represent, partition, compare and order numbers to 100<br>• Explore patterns including, odds and evens, tens and ones | | • Apply number bonds to add and subtract<br>• Represent and explain addition and subtraction of two 2-digit numbers.<br>• Add three 1-digit numbers | | • Introduction to bar models as a representation<br>• Create, label and sketch bar models | | • Draw and measure lengths in centimetres<br>• Use <, > and = to compare and order lengths in metres and centimetres | | • Represent and interpret: pictograms, block diagrams, tables and tally charts. | • Explore multiplication and division through arrays<br>• Explore division as grouping and as sharing<br>• Connect multiplication and division facts using commutativity and inverse<br>• Calculate the times tables of 2, 5, and 10 using different strategies | | |

## Spring

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Time** | | **Fractions** | | **Addition and subtraction of 2-digit numbers** | | **Money** | | **Face, shapes and patterns; lines and turns** | | |
| • Tell the time on an analogue clock: quarter past, quarter to and five minute intervals<br>• Calculate durations of time in minutes and seconds<br>• Sequence daily events<br>• Minutes in an hour and hours in a day | | • Part-whole relationships<br>• Fractions as part of a whole or a whole set<br>• Relate to division<br>• Equivalent fractions | | • Illustrate, represent and explain addition and subtraction involving regrouping including 'Make Ten', 'Round and adjust' and near doubles strategies | | • Recognise coins and notes<br>• Use £ and p accurately<br>• Add and subtract amounts<br>• Calculate change | | • Explore, sort and describe 2-D shapes<br>• Lines of symmetry in 2-D shapes<br>• Identify 2-D shapes on 3-D shapes<br>• Compare and sort 2-D and 3-D shapes<br>• Use language to describe position, direction and rotation to follow a route | | |

## Summer

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
|---|---|---|---|---|---|---|---|
| **Numbers within 1000** | **Measures: Capacity and volume** | | **Measures: Mass** | **Exploring calculation strategies** | | **Exploring multiplicative thinking** | |
| • Represent in different ways<br>• Compare using symbols<br>• Read scales | • Read and measure temperature<br>• Estimate, measure and understand litres and millilitres<br>• Compare and order capacities | | • Weigh and compare masses in kilograms and grams | • Apply addition and subtraction strategies to solve equations<br>• Illustrate and explain addition and subtraction using column method | | • Pattern seek with multiples of 2, 3, 4 5 and 10 using an array<br>• Use known facts to derive facts from the 3 and 4 times tables.<br>• Connect multiplication and division facts using commutativity and inverse | |

The Dimensions of Depth - Conceptual Understanding, Language and Communication and Mathematical Thinking - underpin all aspects of the curriculum; problem solving is at the heart and is embedded in all units.