Mathematics Mastery

# Curriculum Map: Year 3

## Autumn

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Number sense and exploring calculation strategies** | | | **Place value** | | **Graphs** | **Addition and subtraction** | | | **Length and perimeter** | |
| • Read, write, order and compare numbers to 100<br>• Calculate mentally using known facts, round and adjust, near doubles, adding on to find the difference<br>• Derive new facts from a known fact | | | • Read, write, represent, partition, order and compare 3-digit numbers<br>• Find 10 and 100 more or less<br>• Round to the nearest multiple of 10 and 100 | | • Collect, interpret and present data using charts and tables | • Develop and use a range of mental calculation strategies<br>• Illustrate and explain formal written methods – column method | | | • Measure, draw and compare lengths<br>• Add and subtract lengths<br>• Calculate perimeter | |

## Spring

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 |
|---|---|---|---|---|---|---|---|---|---|
| **Multiplication and division** | | **Deriving multiplication and division facts** | | | **Time** | | **Fractions** | | |
| • Multiplication and division facts for 2, 3, 4, 5, 6, 8 and 10<br>• Multiplicative structures: equal groups/parts, change and comparison, correspondence problems<br>• Relationships: commutativity and inverse | | • Multiply and divide by 10 and 100<br>• Multiply a 2-digit number by 2, 3, 4, 5 and corresponding division situations<br>• Divide 2-digit by a 1-digit | | | • Tell, record, write and order the time analogue and digital<br>• 12-hour, a.m., p.m.<br>• Measure, calculate and compare durations | | • Part-whole relationships<br>• Fractions as part of a whole or a whole set and as a number<br>• Add, subtract, compare and order fractions | | |

## Summer

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 |
|---|---|---|---|---|---|---|---|---|
| **Angles and shape** | | | **Measures** | | | **Securing multiplication and division** | **Exploring calculation strategies and place value** | |
| • Identify angles including right angles and recognise as a quarter of a turn<br>• Identify and draw parallel and perpendicular lines<br>• Draw/make, classify and compare 2-D and 3-D shapes<br>• Measure the perimeter | | | • Read scales with different intervals when measuring mass and volume<br>• Weigh and compare masses and capacities with mixed units<br>• Estimate mass and capacity | | | • Recall and use multiplication and division facts for 6 and 8 times table | • Add and subtract mentally<br>• Find 10, 100 and 1000 more or less<br>• Order and compare beyond 1000<br>• Round numbers | |

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.

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