Year 3 Maths Curriculum Map

Autumn 1

Week 1-2: Numbers to 1000

- Can read and write numbers up to 1000 in numerals and in words.

- Can recognise the place value of each digit in a 3-digit number (hundreds, tens, ones.)

- Can count from 0 in multiples of 50 and 100.

- Can find 10 or 100 more or less than a given number.

- Can compare and order numbers up to 1000.

- Can identify, represent and estimate numbers using different representations.

- Can solve number problems and practical problems involving these ideas.

Week 3-6: Addition and Subtraction within 20

- Can recall and use addition and subtraction facts to 20 fluently (Y2 objective).

- Can derive and use related facts up to 100 (e.g. if I know 5 – 3 = 2, then I also know that 50 – 30 = 20.) (Y2 objective).

- Can add or subtract numbers with up to 3-digits using various mental calculation strategies (see the Mental Calculation Policy).

Autumn 2

Week 1-4: Addition and Subtraction within 1000

- Can add or subtract a 3-digit number and ones, tens or hundreds mentally.
- Can add numbers with up to three digits, using formal written methods of columnar addition.
- Can subtract numbers with up to three digits, using formal written methods of columnar subtraction.
- Can estimate the answer to a calculation and use inverse operations to check answers.
- Can solve problems using number facts, place value, and more complex addition and subtraction.
- Can solve missing number problems.

Week 4-6: Money

- Can add and subtract amounts of money to give change, using both £ and p in practical contexts.

Spring 1

Week 1-5: Multiplication and Division

- Can count from 0 in multiples of 3, 4 and 8.

- Can recall and use multiplication and division facts for the 3, 4 and 8 times tables.

- Can write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental methods.

- Can write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using more formal written methods.

- Can solve problems involving multiplication and division.

- Can solve integer scaling problems (*e.g. Tommy pays £2 for one ice cream. How much would three ice creams cost?)*

- Can solve correspondence problems in which n objects are connected to m objects *(e.g. A bag of balls has 2 footballs and 3 rugby balls. Alice bought 2 bags of balls; how many rugby balls did she get?)*

- Can solve missing number problems.

Spring 2

Week 1-3: Measures

- Can measure, compare, add and subtract lengths (m/cm/mm), mass (kg/g), and volume/capacity (l/ml).

- Can measure the perimeter of simple 2-D shapes.

Week 4-6: Time

- Can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.

- Can estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight.

- Can say the number of seconds in a minute and the number of days in each month, year and leap year.

- Can compare durations of events, for example to calculate the time taken by particular events or tasks.

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Summer 1

Week 1-6: Fractions

- Can count up and down in tenths.

- Can recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10.

- Can recognise, find and write fractions of a discrete set of objects, both unit fractions (1/5) and non-unit fractions with small denominators (2/5)

- Can recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.

- Can recognise and show, using diagrams, equivalent fractions with small denominators.

- Can add and subtract fractions with the same denominator within one whole (e.g. 5/7 + 1/7 = 6/7).

- Can compare and order unit fractions.

- Can compare and order fractions with the same denominators.

- Can solve problems that involve all of the above.

Summer 2

Week 1-3: Shape

- Can draw 2-D shapes and make 3-D shapes using modelling materials.

- Can recognise 3-D shapes in different orientations and describe them.

- Can recognise that angles are a property of shape or a description of a turn.

- Can identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn.

- Can identify whether angles are greater than or less than a right angle.

- Can identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

Week 4-6: Statistics

- Can interpret and present data using bar charts, pictograms and tables.

- Can solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.