



Spring Gardens Primary School

Year 3 Maths Long Term Overview



[Year 3 curriculum map | NCETM](#)

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Autumn	Unit 1: Adding and Subtracting Across 10 (1 week)	Unit 2: Numbers to 1,000 (7 weeks)							Unit 2: Numbers to 1,000 (3 weeks)			Unit 3: Right Angles (2 weeks)		NC Perimeter (1 week)
Spring	Unit 4: Manipulating the Additive Relationship and Securing Mental Calculation (4 weeks)				Unit 5: Column Addition (2 weeks)		Unit 7: Column Subtraction (1 week)	Unit 6: 2, 4, 8 Times Tables (3 weeks)			NC *Multiplication and division (2 weeks)		NC 3x table (1 week)	
Summer	Unit 8: Fractions (4 weeks)				Unit 11 Time (1 week)	Unit 10: Parallel and Perpendicular Sides in Polygons (2 weeks)		Unit 9: Non-Unit Fractions (3 weeks)			NC **Statistics (2 weeks)			

*Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.
Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

**Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.

[National curriculum in England: mathematics programmes of study - GOV.UK](https://www.gov.uk/national-curriculum/maths-programmes-of-study)

Year 3 National Curriculum statements:

Number and Place Value
Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
Compare and order numbers up to 1000
Identify, represent and estimate numbers using different representations
Read and write numbers up to 1000 in numerals
Read and write numbers up to 1000 in words
Solve number problems and practical problems involving these ideas

Number – Addition and Subtraction
Add and subtract numbers mentally, including a three-digit number and ones
Add and subtract numbers mentally, including a three-digit number and tens
Add numbers with up to three digits, using formal written methods of columnar addition
Subtract numbers with up to three digits, using formal written methods of columnar subtraction
Add and subtract numbers mentally, including a three-digit number and hundreds
Estimate the answer to a calculation and use inverse operations to check answers
Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Number – Multiplication and Division
Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.
Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

Number – Fractions
Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
Recognise and show, using diagrams, equivalent fractions with small denominators
Add fractions with the same denominator within one whole e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$
Subtract fractions with the same denominator within one whole e.g. $\frac{6}{7} - \frac{1}{7} = \frac{5}{7}$
Compare and order unit fractions, and fractions with the same denominators
Solve fraction problems

Measurement
Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
Measure the perimeter of simple 2-D shapes
Add and subtract amounts of money to give change, using both £ and p in practical contexts
Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight
Know the number of seconds in a minute and the number of days in each month, year and leap year
Compare durations of events [for example, to calculate the time taken by particular events or tasks]

Geometry – properties of shapes
Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
Recognise angles as a property of shape or a description of a turn
Identify right angles, recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle
Identify horizontal and vertical lines and pairs of perpendicular and parallel lines

Statistics
Interpret and present data using bar charts, pictograms and tables
Solve one-step and two-step questions e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables