Spring Gardens Primary School
Year 4 Maths Long Term Overview

[Year 4 curriculum map | NCETM](#)

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Autumn	Unit 1: Review of Column Addition and Subtraction (3 weeks)			Unit 2: Numbers to 10,000 (5 weeks)					Unit 3: Perimeter (2 weeks)		Unit 4: 3, 6, 9 times tables (4 weeks)			
Spring	Unit 5: 7 times table and patterns (2 weeks)		Unit 6: Understanding and Manipulating Multiplicative Relationships (5 weeks)						NC Multiplication and Division (2 weeks)	NC **Area (1 week)	Unit 7: Coordinates (2 week)			
Summer	Unit 8: Review of Fractions (1 week) Unit 9: Fractions Greater than 1 (5 weeks)						Unit 10: Symmetry in 2D Shapes (2 weeks)		Unit 11: Time (1 week) NC ***Roman Numerals	Unit 12: Division with Remainders (2 weeks)	NC ****Money			

*Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

**Find the area of rectilinear shapes by counting squares

***Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value

****Estimate, compare and calculate different measures, including money in pounds and pence

Year 4 National Curriculum statements:

Number and Place Value
Count in multiples of 6, 7, 9, 25 and 1,000
Count backwards through 0 to include negative numbers
Find 1,000 more or less than a given number
Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)
Order and compare numbers beyond 1,000
Identify, represent and estimate numbers using different representations
Round any number to the nearest 10, 100 or 1,000
Solve number and practical problems that involve all of the above and with increasingly large positive numbers
Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value

Number – Addition and Subtraction
Add numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
Subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
Estimate and use inverse operations to check answers to a calculation
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Number – Multiplication and Division
Recall multiplication and division facts for multiplication tables up to 12 × 12
Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
Recognise and use factor pairs and commutativity in mental calculations
Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

Number – Fractions
Recognise and show, using diagrams, families of common equivalent fractions
Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10
Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
Add and subtract fractions with the same denominator
Recognise and write decimal equivalents of any number of tenths or hundreds
Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
Round decimals with 1 decimal place to the nearest whole number (Y5)
Compare numbers with the same number of decimal places up to 2 decimal places (Y5)
Solve simple measure and money problems involving fractions and decimals to 2 decimal places (Y5)

Measurement
Convert between different units of measure [for example, kilometre to metre; hour to minute]
Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
Find the area of rectilinear shapes by counting squares
Estimate, compare and calculate different measures, including money in pounds and pence
Read, write and convert time between analogue and digital 12- and 24-hour clocks
Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days

Geometry – properties of shapes
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
Identify acute and obtuse angles and compare and order angles up to 2 right angles by size
Identify lines of symmetry in 2-D shapes presented in different orientations
Complete a simple symmetric figure with respect to a specific line of symmetry

Geometry – position and direction
Describe positions on a 2-D grid as coordinates in the first quadrant
Describe movements between positions as translations of a given unit to the left/right and up/down
Plot specified points and draw sides to complete a given polygon

Statistics
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs
Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs