



Spring Gardens Primary School

Year 2 Maths Long Term Overview



[Year 2 curriculum map | NCETM](#)

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Autumn	Unit 1: Numbers 10 to 100 (4 weeks)				Unit 2: Calculations within 100 (3 weeks)			Unit 3: Fluently add and subtract within 10 (1 week)	Unit 4: Addition and subtraction of 2 digit numbers (1) (2 weeks)		Unit 5: Introduction to multiplication (7 weeks)			
Spring	Unit 5: Introduction to multiplication (7 weeks)				Unit 6: Introduction to division structures (2 weeks)		Unit 7: Shape (2 weeks)		NC Statistics (1 week)	(Unit 8: Addition and subtraction of 2 digit number (2) (3 weeks)				
Summer	Unit 8: Addition and subtraction of 2 digit numbers (2) (3 weeks)		Unit 9: Money (1 week)	Unit 10: Fractions (2 weeks)		Unit 11: Time (1 week)	Unit 12: Position and direction (1 week)	Unit 13: Multiplication and division – doubling, halving, quotitive and partitive division (3 weeks)			Unit 14: Sense of Measure- capacity, volume, mass (2 weeks)			

[National curriculum in England: mathematics programmes of study - GOV.UK](#)

Year 2 National Curriculum statements:

Number and Place Value
Count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward
Recognise the place value of each digit in a two-digit number (10s, 1s)
Identify, represent and estimate numbers using different representations, including the number line
Compare and order numbers from 0 up to 100; use <, > and = sign
Read and write numbers to at least 100 in numerals and in words
Use place value and number facts to solve problems

Number – Addition and Subtraction
Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures
Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and 1s
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and 10s
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: 2 two-digit numbers
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: adding 3 one-digit numbers
Show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems

Number – Multiplication and Division
Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs
Show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot
Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

Number – Fractions
Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity
Write simple fractions, for example $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$

Measurement
Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
Compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$
Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value

Find different combinations of coins that equal the same amounts of money
Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
Compare and sequence intervals of time
Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
Know the number of minutes in an hour and the number of hours in a day

Geometry – properties of shapes
Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line
Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]
Compare and sort common 2-D and 3-D shapes and everyday objects

Geometry – position and direction
Order and arrange combinations of mathematical objects in patterns and sequences
Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)

Statistics
Interpret and construct simple pictograms, tally charts, block diagrams and tables
Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
Ask-and-answer questions about totalling and comparing categorical data

