

Year 2 Mathematics Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Number and Place value	Multiplication	Number and Place value	Fractions	Number and Place value	Enterprise
Week 2	Number and Place value	Division	Addition and Subtraction	Fractions	Measurement (Money)	Position and direction
Week 3	Addition	Fractions	Multiplication and Division	Position and direction	Statistics	Time
Week 4	Subtraction	Measurement	Time	Measurement	Calculations	Measurement
Week 5	Addition and subtraction	Statistics	Statistics	Calculations	Fractions	Maths Investigation
Week 6	Measurement (Money)	Geometry (2D Shapes)	Shape (3D Shapes)		Shape	Review
Week 7	Time					

Autumn 1	Programmes of Study / Objectives / Targets
Week 1	Number and Place Value - Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward - Recognise the place value of each digit in a two-digit number (tens, ones) - Identify, represent and estimate numbers using different representations, including the number line
Week 2	Number and Place Value - Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward - Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs - Read and write numbers to at least 100 in numerals and in words - Use place value and number facts to solve problems.
Week 3	Addition - Solve problems with addition - Use concrete objects and pictorial representations, including those involving numbers, quantities and measures - Apply their increasing knowledge of mental and written methods - Recall and use addition facts to 20 fluently, and derive and use related facts up to 100 - Add numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - two two-digit numbers - adding three one-digit numbers
Week 4	Subtraction - Solve problems with subtraction - Use concrete objects and pictorial representations, including those involving numbers, quantities and measures

	• Apply their increasing knowledge of mental and written methods • Recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100 • Add numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - two two-digit numbers
Week 5	Addition and Subtraction ▪ Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - two two-digit numbers - adding three one-digit numbers ▪ Show that addition of two numbers can be done in any order (commutative) and subtraction of one 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.
Week 6	Measurement (Money) ▪ 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
Week 7	Time ▪ Compare and sequence intervals of time

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- 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.

Autumn 2	Programmes of Study / Objectives / Targets
Week 1	Multiplication - Recall and use multiplication 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 two numbers can be done in any order (commutative) - Solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, and multiplication facts, including problems in contexts.
Week 2	Division - Recall and use 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 two numbers can be done in any order (commutative) and division of one number by another cannot - Solve problems involving division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
Week 3	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 $\frac{1}{2}$.
Week 4	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 $=$
Week 5	Statistics - Interpret and construct simple pictograms, tally charts, block diagrams and simple 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.
Week 6	Geometry (2D Shapes) - Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line - Compare and sort common 2-D and everyday objects.

Spring 1	Programmes of Study / Objectives / Targets
Week 1	Number and Place Value - Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward - Recognise the place value of each digit in a two-digit number (tens, ones) - Identify, represent and estimate numbers using different representations, including the number line - Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs - Read and write numbers to at least 100 in numerals and in words - Use place value and number facts to solve problems.
Week 2	Addition and Subtraction - Solve problems with addition and subtraction - Use concrete objects and pictorial representations, including those involving numbers, quantities and measures - Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - two two-digit numbers - adding three one-digit numbers - Show that addition of two numbers can be done in any order (commutative) and subtraction of one 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.
Week 3	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 two numbers can be done in any order (commutative) and division of one 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.
Week 4	Time ▪ 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.
Week 5	Statistics ▪ Interpret and construct simple pictograms, tally charts, block diagrams and simple 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.
Week 6	Shape (3D Shapes) ▪ 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 3-D shapes and everyday objects.

Spring 2	Programmes of Study / Objectives / Targets
Week 1	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 $\frac{1}{2}$.
Week 2	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 $\frac{1}{2}$.
Week 3	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).
Week 4	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 $=$
Week 5	Calculations • Solve problems with addition and subtraction ▪ Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. ▪ Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

Summer 1	Programmes of Study / Objectives / Targets
Week 1	Number and Place Value - Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward - Recognise the place value of each digit in a two-digit number (tens, ones) - Identify, represent and estimate numbers using different representations, including the number line - Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs - Read and write numbers to at least 100 in numerals and in words - Use place value and number facts to solve problems.
Week 2	Measurement (Money) - 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
Week 3	Statistics - Interpret and construct simple pictograms, tally charts, block diagrams and simple 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.
Week 4	Calculations - Solve problems with addition and subtraction - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. - Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

Week 5	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 $\frac{1}{2}$.
Week 6	Geometry (2D and 3D 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.

Summer 2	Programmes of Study / Objectives / Targets
Week 1	Enterprise
Week 2	Enterprise
Week 3	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).
Week 4	Time ▪ 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.
Week 5	Measurement ▪ Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°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 =
Week 6	Maths Investigation