Year 2 Mathematics Yearly Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Week 1	Place value	Addition / Subtraction	Geometry (2D and 3D Shape)	Measurement (Length)	Addition / Subtraction	**Enterprise (Money)**
Week 2	Place value	Statistics	Fractions	Measurement (Mass/Capacity)	Multiplication / Division	**Enterprise (Money)**
Week 3	Place value	Multiplication	Fractions	Multiplication / Division	Fractions	Measurement (General)
Week 4	Addition	Multiplication	Fractions	Geometry (Position)	Fractions	Measurement (Time)
Week 5	Addition (Commutativity)	Division	Measurement (Time)	Statistics	Revision	Statistics
Week 6	Subtraction	Division	Calculations (Operations / Money)		Revision	Review
Week 7	Subtraction (Inverse)	Consolidation			Geometry	Review
	Mental strategies throughout		MM - Shape	MM - Temperature Time		

Autumn 1	Programmes of Study / Objectives / Targets
Week 1 Week 2 Week 3	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 4 Week 5	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 6	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 7	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.

Autumn 2	Programmes of Study / Objectives / Targets
Week 1	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 2	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 3 Week 4	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 (×), division (÷) 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 5 Week 6	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 (×), division (÷) 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 7	• Opportunity to deepen any learning from Autumn terms or to review.

Spring 1	Programmes of Study / Objectives / Targets
Week 1	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. ▪ 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.
Week 2 Week 3 Week 4	Fractions ▪ Recognise, find, name and write fractions 1/3, $\frac{1}{4}$, 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 2/4 and $\frac{1}{2}$.
Week 5	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 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

Spring 2	Programmes of Study / Objectives / Targets
Week 1	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. Record the results using >, < and =
Week 2	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 3	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 (×), division (÷) 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. 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 (×), division (÷) 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 4	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 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.

Summer 1	Programmes of Study / Objectives / Targets
Week 1	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 2	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 (×), division (÷) 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. 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 (×), division (÷) 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

Week 4	▪ Recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity • Write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½.
Week 5 Week 6	Revision for SATS
Week 7	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. ▪ 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.

Summer 2	Programmes of Study / Objectives / Targets
Week 1	**Enterprise**
Week 2	**Enterprise**
Week 3	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 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	Review Week Focus on an area that children have found challenging over the course of the year.
Week 7	Review Week Focus on an area that children have found challenging over the course of the year.