

# MATHS MEDIUM TERM PLANS

Autumn 2023-2024

# YEAR 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number <b>Place value (within 10)</b>					Number <b>Addition and subtraction (within 10)</b>					Geometry Shape	Consolidation
Spring	Number <b>Place value (within 20)</b>			Number <b>Addition and subtraction (within 20)</b>			Number <b>Place value (within 50)</b>		Measurement <b>Length and height</b>		Measurement <b>Mass and volume</b>	
Summer	Number <b>Multiplication and division</b>			Number <b>Fractions</b>		Geometry <b>Position and direction</b>	Number <b>Place value (within 100)</b>		Measurement <b>Money</b>	Measurement <b>Time</b>		Consolidation

# YEAR 1 - AUTUMN A

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Number: Place Value (within 10)					Number: Addition and Subtraction (within 10)
<b>Small Steps Progression</b>	Sort Objects Count Objects Count Objects from a larger group Represent Objects	Recognise numbers as words Count on from any number 1 more	Count backwards within 10 1 less Compare groups by matching.	Fewer, more, same Less than, greater than, equal to Compare numbers	Order Objects and Numbers The number line	Introduce Part and Wholes Part Whole Model Write Number Sentences Fact families—Addition facts
<b>National Curriculum Links</b>	Count to 100, forwards/backwards, starting with 0 or 1, or from any given number. Count, read and write numbers to 20 in numerals and words. Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least. Given a number identify one more and one less.					See next page

# YEAR 1 - AUTUMN B

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Number: Addition and Subtraction (within 10)				Geometry—Shape		
<b>Small Steps Progression</b>	Find number bonds (numbers within 10) Systematic methods (number bonds within 10) Number bonds to 10	Addition—adding together Addition—adding more Finding a part	Subtraction—finding a part Fact families – the 8 facts Subtraction—taking away/cross out Take away – How many left?	Subtraction on a number line Add or subtract 1 or 2.	Recognise and name 2D shapes Sort 2D shapes	Recognise and name 3D shapes Sort 3D shapes Patterns with 2D and 3D shapes	<b>Consolidation</b>
<b>National Curriculum Links</b>	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer) Read, write and interpret mathematical statements involving addition, subtraction, equals signs. Represent and use number bonds and related subtraction facts Add and subtract one digit and two digit numbers Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.				Recognise and name common 2D and 3D shapes including: Rectangles, squares, circles, triangles, cubes, cuboids, pyramids and spheres.		

# YEAR 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number <b>Place value</b>				Number <b>Addition and subtraction</b>				Geometry <b>Shape</b>			
Spring	Measurement <b>Money</b>	Number <b>Multiplication and division</b>					Measurement <b>Length and height</b>		Measurement <b>Mass, capacity and temperature</b>			
Summer	Number <b>Fractions</b>			Measurement <b>Time</b>			<b>Statistics</b>		Geometry <b>Position and direction</b>		<b>Consolidation</b>	

# YEAR 2 - AUTUMN A

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Number: Place Value				Number: Addition and Subtraction	
<b>Small Steps Progression</b>	Numbers to 20 Count objects to 100 by making 10s Recognise tens and ones Use a place value chart	Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form	10s on the number line to 100 10s and 1s on on the numberline to 100 Estimate numbers	Compare objects Compare numbers Order objects and numbers Count in 2's, 5's and 10's Count in 3's	Bonds to 10 Fact families Related facts Bonds to 100 (tens)	Add and subtracts 1s Add by making 10 Add three 1 digit numbers Add to the next 10
<b>National Curriculum Links</b>	Read and write numbers to at least 100 in numerals and words Recognise the place value of each digit in a two digit number Use place value and number facts to solve problems Identify, represent and estimate numbers using different representations, including the number line Compare and order numbers from 0 up to 100 ; use < > and = signs Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backwards.				See next page	

# YEAR 2 - AUTUMN B

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Number: Addition and Subtraction			Geometry—Shape			
<b>Small Steps Progression</b>	<p>Add across a ten</p> <p>Subtract across ten</p> <p>Subtract from a ten</p> <p>Subtract a 1 digit number from a 2 digit number</p>	<p>10 more, 10 less</p> <p>Add and subtract 10s</p> <p>Add two 2 digit numbers (not across 10)</p> <p>Add two 2 digit numbers (across 10)</p>	<p>Subtract two 2 digit numbers</p> <p>Mixed addition and subtraction</p> <p>Compare number sentences</p> <p>Missing number problems</p>	<p>Recognise 2D and 3D shapes</p> <p>Count sides on 2D shapes</p> <p>Count vertices on 2D shapes</p> <p>Draw 2D shapes</p>	<p>Lines of symmetry on shapes</p> <p>Use lines of symmetry to complete shapes</p> <p>Sort 2D shapes</p>	<p>Count faces on 3D shapes</p> <p>Count edges on 3D shapes</p> <p>Count vertices on 3D shapes</p> <p>Sort 3D shapes</p> <p>Make patterns with 2D and 3D shapes</p>	
<b>National Curriculum Links</b>	<p>Recall and use addition and subtraction facts to 20 fluently and use related facts up to 100</p> <p>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 2 digit numbers</p> <p>Compare and order numbers from 0 up to 100; use <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</p> <p>Solve problems with addition and subtraction</p>			<p>Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line</p> <p>Compare and sort common 2-D and 3-D shapes and everyday objects</p> <p>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <ul style="list-style-type: none"> <li>Identify 2-D shapes on the surface of 3-D shapes</li> </ul>			

Consolidation

# YEAR 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number <b>Place value</b>			Number <b>Addition and subtraction</b>				Number <b>Multiplication and division A</b>				
Spring	Number <b>Multiplication and division B</b>			Measurement <b>Length and perimeter</b>			Number <b>Fractions A</b>		Measurement <b>Mass and capacity</b>			
Summer	Number <b>Fractions B</b>		Measurement <b>Money</b>		Measurement <b>Time</b>			Geometry <b>Shape</b>		Statistics		Consolidation



# YEAR 3 - AUTUMN A

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Number: Place Value			Number: Addition and Subtraction		
<b>Small Steps Progression</b>	Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1000	Partition numbers to 1000 Flexible partitioning of numbers to 1000 Hundreds, tens and ones. Find 1, 10, 100 more or less	Number line to 1000 Estimate on a number line Compare numbers to 1000 Order numbers to 1000 Count in 50s	Apply number bonds within 10 Add and subtract 1s Add and subtract 10s Add and subtract 100s	Spot the pattern Add 1s across a ten Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100	Make connections Add two numbers (no exchange) Add two numbers (across a 10) Add two numbers (across a 100)
<b>National Curriculum Links</b>	Identify, represent and estimate numbers using different representations 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 Read and write numbers up to 1000 in numerals and words Solve number problems and practical problems involving these ideas Compare and order numbers up to 1000			Add and subtract numbers mentally, including: a three digit number and ones, a three digit number and tens, a three digit number and hundreds Add and subtract numbers with up to three digits, using formal written methods Solve problems including missing number problems, using number facts, place value and more complex addition and subtraction Estimate the answer to a calculation and use inverse operations to check answers		

# YEAR 3 - AUTUMN B

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Number: Addition and Subtraction		Number – Multiplication and Division				
<b>Small Steps Progression</b>	Subtract two numbers (across a ten) Subtract two numbers (across a 100) Add 2 and 3 digit numbers	Subtract a 2 digit number from a 3 digit number Complements to 100 Estimate answers Inverse Make decisions	Multiplication – equal groups Use arrays Multiples of 2 Multiples of 5 and 10	Sharing and grouping Multiply by 3 Divide by 3 The 3 times table	Multiply by 4 Divide by 4 The 4 times table	Multiply by 8 Divide by 8 The 8 times table The 2, 4 and 8 times table	
<b>National Curriculum Links</b>	See Autumn A		Count from 0 in multiples of 4, 8, 50 and 100. 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 they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.				

Consolidation

# YEAR 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number <b>Place value</b>				Number <b>Addition and subtraction</b>			Measurement <b>Area</b>	Number <b>Multiplication and division A</b>			Consolidation
Spring	Number <b>Multiplication and division B</b>			Measurement <b>Length and perimeter</b>		Number <b>Fractions</b>				Number <b>Decimals A</b>		
Summer	Number <b>Decimals B</b>		Measurement <b>Money</b>		Measurement <b>Time</b>		Consolidation	Geometry <b>Shape</b>		Statistics	Geometry <b>Position and direction</b>	

# YEAR 4 - AUTUMN A

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Number: Place Value				Number: Addition and Subtraction	
<b>Small Steps Progression</b>	Represent numbers to 1000 Partition numbers to 1000 Number line to 1000 Thousands Represent numbers to 10000	Partition numbers to 10000 Flexible partitioning of numbers to 10000 Find 1, 10, 100, 1000 more or less	Number line to 10000 Estimate on a number line Compare numbers to 10000 Order numbers to 10000 Roman Numerals	Round to the nearest 10 Round to the nearest 100 Round to the nearest 1000 Round to the nearest 10, 100 or 1000.	Add 1s, 10s, 100s and 1000s Add up to two 4 digit numbers – no exchange Add two 4 digit numbers – one exchange Add two 4 digit numbers – more than one exchange	Subtract two 4 digit numbers – no exchange Subtract two 4 digit numbers – one exchange Subtract two 4 digit numbers – more than one exchange
<b>National Curriculum Links</b>	Count in multiples of 6, 7, 9, 25 and 1,000. Find 1,000 more or less than a given number. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones). Order and compare numbers beyond 1,000. Identify, represent and estimate numbers using different representations. Round any number to the nearest 10, 100 and 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 zero and place value				Add and 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.	

# YEAR 4 - AUTUMN B

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
	Number: Addition and Subtraction	Area	Number – Multiplication and Division				
<b>Small Steps Progression</b>	Efficient subtraction Estimate answers Efficient strategies	What is area? Count squares Make shapes Compare areas	Multiples of 3 Multiply and divide by 6 6 times-table and division facts	Multiply and divide by 9 9 times-table and division facts The 3, 6 and 9 times-tables	Multiply and divide by 7 7 times-table and division facts 11 times-table and division facts 12 times-table and division facts	Multiply by 1 and 0 Divide a number by 1 and itself Multiply three numbers	
<b>National Curriculum Links</b>	See Autumn A	Find the area of rectilinear shapes by counting squares	Add and 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.				
							<b>Consolidation</b>