



MATHS CURRICULUM OVERVIEW

YEAR 1

	Autumn	Spring	Summer
Number and Place Value	1LS2: Numbers to Ten – Finding Patterns in Numbers (including subitising) 1LS3: Numbers to Ten – Counting and Comparison (more, less, fewer) 1LS4: Numbers to Ten – Estimating and Ordering 1LS8: Numbers to Ten – Comparison 1LS9: Numbers to Ten – Equality and Balance 1LS10: Numbers to Twenty – Making 10 and Some More 1LS11: Numbers to 20 – Estimating and Ordering, 1 More and 1 Less 1LS13: Numbers to Twenty – Odd and Even Numbers	1LS22: Numbers to Twenty – Comparison (difference, more, less, fewer) including Statistics	1LS35: Numbers to 20 - Review 1LS36: Numbers to One Hundred – Place Value and Digits, Making Tens and Some More 1LS37: Place Value – Estimation, Ordering and Comparison
Addition and Subtraction	1LS5: Numbers to Ten – Regrouping the Whole 1LS6: Numbers to Ten – Part Whole Addition and Subtraction 1LS7: Numbers to Ten – Solving Problems Using Part or Whole Unknown	1LS17: Numbers to Twenty – Adding using ‘Think 10’ 1LS18: Numbers to Twenty – Subtraction using ‘Think 10’ 1LS19: Numbers to Twenty – Equality and Balance 1LS20: Numbers to Twenty – Part or Whole Unknown 1LS21: Numbers to Twenty – Language and Problem Solving (part or whole unknown)	
Multiplication And Division	1LS12: Numbers to Twenty – Doubling and Halving	1LS24: Counting in 2s, 5s 10s	1LS26: Multiplication and Division – Equal or Unequal Groups and Remainders 1LS27: Multiplication – Repeated Addition and Arrays (number of groups and size of group) 1LS28: Multiplication – Problem Solving (identifying the number of groups and size of the group) 1LS29: Multiplication – Scaling and Counting in 2s to 24 1LS30: Division – Sharing and Grouping Problems
Fractions, Decimals and Percentages	1LS32: Fractions – Sharing Into Equal Groups 1LS33: Fractions – Equal or Unequal Parts of Shapes 1LS34: Fractions – Of Continuous Quantities Including Capacity		

Geometry	<p>1LS1: Geometry – Positional Language Including Ordinal Numbers</p> <p>1LS14: Geometry – Names and Properties of 2-D and 3-D Shape</p>
Measure	<p>1LS15: Measures – The Language of Comparing Length, Height, Mass and Speed</p> <p>1LS16: Sequencing Events – Days of the Week and Months of the Year</p> <p>1LS23: Measures – Coins and Combinations to 20p, Ordering and Comparing</p> <p>1LS25: Measures – Non-standard Measures and Introducing Simple Standard Measures</p> <p>1LS31: Time – Telling the Time, O'clock and Half Past</p>



MATHS CURRICULUM OVERVIEW

YEAR 2

	Autumn	Spring	Summer
Number and place value	2LS1: Securing Fluency to Twenty 2LS2: Place Value – Making Tens and Some More 2LS3: Place Value and Regrouping Two-Digit Numbers 2LS5: Representing, Ordering and Comparing Numbers to 100 and Quantities for Measures 2LS6: Estimation and Magnitude 2LS12: Comparison (difference, more, less, fewer)		2LS41: Place Value and Written Calculation Review
Addition and subtraction	2LS4: Counting On and Back in Ones and Tens from any Number 2LS7: Numbers to 20 – Mental Addition and Subtraction 2LS8: Finding Complements of 10 and 100 Including Measures 2LS9: Add and Subtract Numbers Mentally Using 1- and 2-Digit Numbers 2LS10: Finding Part or Whole Unknown	2LS15: Written Addition Method 2LS16: Commutativity in Addition but not in Subtraction 2LS17: Written Subtraction Method 2LS18: Problem Solving with Addition and Subtraction in a Range of Contexts	2LS34: Problem Solving for all Operations (including Fractions) 2LS38: Mental Calculation Review
Multiplication and division		2LS21: Double and Halve One and Two-digit Numbers and Amounts of Money 2LS22: Times Tables – 2s, 5s and 10s. Patterns and Strategy (counting in 3s) 2LS23: Multiplication – Multiples and Repeated Addition 2LS24: Multiplication – Number of Groups, Group Size and Product 2LS25: Multiplication Problem Solving 2LS26: Division – Sharing and Grouping 2LS27: Division – Sharing and Grouping Problems including Remainders	2LS34: Problem Solving for all Operations (including Fractions) 2LS35: Multiplication and Division – Equality and Balance 2LS38: Mental Calculation Review
Fractions, Decimals and Percentages	2LS28: Fractions – Finding Halves, Quarters and Thirds of Amounts 2LS29: Fractions – Finding Halves, Quarters and Thirds of Shapes 2LS30: Fractions – Finding Three-Quarters of Shapes and Amounts 2LS31: Fractions – Equivalence 2LS32: Fractions – of Continuous Quantities		
Geometry	2LS36: Geometry – Properties of 2-D and 3-D Shape, Classifying and Sorting 2LS37: Geometry – Symmetry 2LS39: Geometry – Sequencing 2LS40: Geometry – Rotation and Right Angles		

Measure	2LS11: Money – Making Combinations and Finding Change 2LS13: Measures – Estimation and Measure Using Different Scales 2LS19: Time – Telling the Time: O’clock, Half Past, Quarter Past and Quarter To 2LS20: Time – Estimating, Ordering and Comparing Time 2LS33: Time – Telling the Time to the Nearest 5 Minutes
Statistics	2LS14: Statistics – Totalling and Comparing Amounts in Block Graphs, Pictograms, Tables and Tally Charts



MATHS CURRICULUM OVERVIEW

YEAR 3

	Autumn	Spring	Summer
Number and place value	3LS1: Place Value and Regrouping 3LS2: Counting On and Back in Ones, Tens and Hundreds 3LS3: Estimation, Magnitude and Rounding		3LS35: Place Value and Decimals – Ten Times Greater and Ten Times Smaller 3LS36: Place Value and Decimals – Regrouping 3LS37: Place Value and Decimals – Estimation, Comparing and Rounding
Addition and subtraction	3LS5: Mental Fluency – Addition 3LS6: Mental Fluency – Subtraction 3LS7: Fact Families and Applying the Inverse 3LS8: Written Addition 3LS9: Written Subtraction 3LS10: Problem Solving – Worded Problems		3LS34: Securing the Four Operations with Whole Number including Problem Solving
Multiplication and division		3LS16: Multiplication – 3, 4 and 8 Times Tables including Counting 3LS17: Division – 1, 2, 3, 5, 4 and 8 Times Tables 3LS18: Multiplication – Strategy, Associative and Distributive Laws 3LS20: Multiplication and Division Worded Problems 3LS25: Multiplication – Multiplying Multiples of Ten 3LS26: Multiplication – Formal Written Multiplication	3LS27: Division Problem Solving – Sharing and Grouping 3LS28: Division – Two and Three-Digit Numbers by One-Digit Numbers including Halving 3LS29: Multiplication, Division and Fractions – Scaling and Correspondence Problems 3LS30: Division – Long Division 3LS34: Securing the Four Operations with Whole Number including Problem Solving
Fractions, Decimals and Percentages	3LS21: Fractions – Finding Fractions of Discrete and Continuous Quantities 3LS22: Ordering and Comparing Fractions 3LS23: Adding and Subtracting Fractions with the Same Denominators 3LS24: Fractions – Problem Solving with Unit and Non-Unit Fractions		
Geometry	3LS12: Angles, Right Angles and Estimation 3LS13: Perpendicular and Parallel Lines, Vertical and Horizontal Lines 3LS14: 2-D Shape – Properties and Drawing 3LS15: Perimeter Including Problem Solving Using Written and Mental Methods 3LS39: 3-D Shape – Building and Identifying Properties		

Measure	3LS4: Measures – Comparison, Estimation and Magnitude 3LS31: Time – Hours, Minutes, Seconds, Days, Weeks, Months, Years 3LS32: Time – Telling the Time (Analogue and Digital) and Estimation 3LS33: Time – Duration 3LS38: Measures – Measuring and Problem Solving
Statistics	3LS11: Statistics – Interpreting Bar Charts and Tables 3LS19: Statistics – Pictograms and Scaled Bar Charts




MATHS CURRICULUM OVERVIEW

YEAR 4

	Autumn	Spring	Summer
Number and place value	4LS1: Place Value – Order and Compare Numbers Beyond 1000 4LS2: Rounding, Estimation and Magnitude	4LS16: Decimal Numbers 4LS19: Problem Solving involving Decimals to Two Decimal Places	4LS28 Roman Numerals to 100 and Zero 4LS29 Negative Numbers – Counting through Zero and Calculating in Context
Addition and subtraction	4LS3: Securing Addition and Subtraction Mental Fluency 4LS4: Securing Formal Written Addition and Subtraction Fluency	4LS17: Calculating With Decimals	4LS37: Application and Problem Solving – Developing Operation Sense
Multiplication and division	4LS5: Counting in Multiples of 6, 7, 9, 25 and 1000 4LS6: Multiplication and Division Facts (Times Tables) 4LS7: Factor Pairs, Integer Scaling and Correspondence Problems 4LS9: Multiply and Divide a One or Two-digit Number by 10 and 100	4LS24: Multiply Two and Three-digit Numbers by a One-digit Number Using a Formal Written Layout 4LS25: Divide Two and Three-digit Numbers by a One-digit Number Using a Formal Written Layout	4LS34: Multiplication and Division Review 4LS37: Application and Problem Solving – Developing Operation Sense
Fractions, Decimals and Percentages	4LS20: Add and Subtract Fractions with the Same Denominator 4LS21: Finding Fractions of Quantities 4LS22: Fractions in the Context of Measure 4LS23: Equivalent Fractions, Ordering and Comparing 4LS36: Fractions Review		
Geometry	4LS14: Properties of Shape 4LS15: Symmetry 4LS30 Geometry – Angles 4LS31 Geometry – Properties of Triangles 4LS32 Geometry – Coordinates in the First Quadrant and Translations 4LS33 Geometry – Position and Direction, incorporating Angles and Plotting Points of a Shape		
Measure	4LS8: Problem Solving Including Measures to Apply Place Value, Mental Strategies and Arithmetic Laws 4LS10: Measure – Conversion of Units 4LS11: Measures – Compare, Estimate and Calculate 4LS13: Perimeter 4LS18: Measure – Money 4LS26: Time – Read, Write Calculate and Convert Time on Analogue and Digital 12- and 24-Hour Clocks 4LS35: Area		

Statistics	4LS12: Discrete and Continuous Data (Time Graphs), Including Application of Scales and Division 4LS27: Statistics – Interpret and Present Continuous and Discrete Data, Solve Problems incorporating Measures
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 MATHS CURRICULUM OVERVIEW YEAR 5			
	Autumn	Spring	Summer
Number and place value	5LS1: Place value and rounding of large numbers 5LS2: Interpret negative numbers 5LS3: Place value of numbers up to 3 decimal places 5LS40: Roman numerals		
Addition and subtraction	5LS9: Add and subtract using a range of strategies 5LS10: Add and subtract using formal written methods	5LS16: Problem solving – all four operations	
Multiplication and division	5LS4: Multiply and divide by 10, 100 and 1,000 5LS5: Properties of number – multiples, factors and common factors 5LS6: Prime and composite numbers 5LS7: Multiply and divide mentally 5LS8: Solve problems involving knowledge of key facts 5LS11: Formal written method for multiplication 5LS12: Formal written method for short division	5LS16: Problem solving – all four operations 5LS35: Solve problems involving the four operations	5LS29: Formal methods for division and multiplication in increasingly complex problems 5LS30: Strategies for multiplication and division 5LS35: Solve problems involving the four operations
Fractions, Decimals and Percentages	5LS13: Equivalent fractions 5LS14: Compare and order fractions 5LS15: Adding and subtracting fractions 5LS17: Multiply fractions by whole numbers 5LS18: Fraction problem solving 5LS22: Percentages 5LS23: Problem solving – percentages 5LS31: Solving problems involving scaling by simple fractions and rates 5LS33: Fractions, decimals and percentages problem solving		

Geometry	5LS24: 3D shapes from 2D representations 5LS25: Reflection and translation 5LS27: Estimate, compare, measure and draw angles 5LS28: Identify unknown angles 5LS36: Distinguish between regular and irregular polygons 5LS37: Use properties of rectangles
Measure	5LS19: Measure – converting units of measure 5LS20: Area 5LS21: Volume and capacity 5LS32: Conversion of imperial and metric units of measure 5LS34: Reading timetables and calculating with time 5LS26: Perimeter
Statistics	5LS38: Statistics – solve comparison, sum and difference problems using information in a line graph 5LS39: Statistics – interpreting and evaluating information presented in charts and tables



MATHS CURRICULUM OVERVIEW

YEAR 6

	Autumn	Spring	Summer
Number and place value	6LS1: Place Value		
Addition and subtraction	6LS3: Choosing Effective Mental Calculation Strategies 6LS4: Problem Solving with Four Operations		
Multiplication and division	6LS2: Multiply and Divide by 10, 100 and 1,000 6LS3: Choosing Effective Mental Calculation Strategies 6LS4: Problem Solving with Four Operations 6LS5: Application of Factors, Multiples and Primes 6LS12: Formal Written Method of Multiplication 6LS14: Formal Written Method of Short Division	6LS17 Formal Written Method for Long Division	

Fractions	6LS6: Equivalent Fractions 6LS7: Comparing and Ordering Fractions 6LS8: Adding and Subtracting Fractions 6LS9: Fraction and Decimal Equivalents 6LS10: Fractions, Decimals and Percentages 6LS11: Calculating Percentages 6LS21: Multiplying Fractions 6LS22: Dividing Fractions 6LS23: Fraction Problem Solving
Geometry	6LS15: Properties of Shape 6LS19: Recognise and Find Angles 6LS20: Reflection and Translation
Measure	6LS13: Area of Parallelograms and Triangles 6LS18: Exploring Relationships Between Perimeter and Area 6LS25: Volume 6LS26: Measures
Statistics	6LS27: Statistics – Interpret Line Graphs and Pie Charts
Ratio and algebra	6LS16: Order of Operations and Algebra 6LS28: Algebra and Sequences 6LS24: Ratio and Proportion



Curriculum Drivers

Subject: Maths

Challenge	<p>Through differentiated teaching and work, pupils have access to work that provides an appropriate challenge</p> <p>Pupils choice allows pupils to challenge themselves.</p> <p>Reasoning and problem solving are used to challenge pupils' mathematical understanding.</p> <p>Apply mathematical knowledge to word problems/real life situations.</p> <p>Moving pupils through the CPA approach – concrete to pictorial to abstract</p> <p>Use of mathematical vocabulary to extend knowledge and reasoning</p>
Inclusion	<p>Differentiation (through task, resources, support or outcome) ensures all pupils are included in Maths lessons</p> <p>Use of maths manipulatives to support all learners</p> <p>Pre-teaching of mathematical vocabulary allows pupils to access whole class teaching sessions.</p> <p>A focus on number and calculation strategies to address gaps in learning ensures all pupils are included and ready for the next stage of their learning journey</p> <p>Use of physical activities / active maths to engage all learners</p> <p>Opportunities to work in different groupings / pairs for peer support</p>
Positive Minds	<p>Resilient tortoise Pupils develop a positive attitude towards writing, even when things are difficult, and they constantly build on learning.</p> <p>Independent rhino Differentiation and the use of working walls and resources helps pupils to tackle tasks independently.</p> <p>Risk-taking penguin Pupils are encouraged to challenge themselves and take risks with their learning in Maths (pupil choice)</p> <p>Reflective owl Pupils reflect on their learning, choose appropriate challenge and use appropriate resources if they need to</p> <p>Team Bee Pupils are encouraged to work together to solve mathematical problems and explain their reasoning</p> <p>Curious and creative chameleon Pupils are encouraged to tackle maths problem solving activities in different ways</p>