Whole School Curriculum Framework for Maths

	Autumn Term	Spring Term	Summer Term
	Autumn	Spring	Summer
Reception	Subitising, equivalence, more/less/ Counting, order/ Comparison, measures/ Pattern recognition/ Classification/ Counting and cardinality/ Using counting to compare/ Spatial thinking/ Magnitude, ordering and estimation/ Regrouping the whole/ Regrouping parts to find the total/ Finding the whole and missing parts/ ten and some more/ doubling and halving/ odd and even/ Counting beyond 20		
Year 1	Geometry-positional language/ordinal numbers Numbers to Ten- finding patterns, counting, comparison, estimating and ordering, regrouping Number- Part whole addition/subtraction Numbers to Ten- Solving problems, comparison, equality/balance Numbers to Twenty- making ten and more, estimating, ordering, doubling, halving, odd and even Geometry- 2D/3D shapes	Measures- comparison of length, height, mass, speed Sequencing- Days of the week, months of the year Numbers to Twenty- Adding/subtraction- think 10-equality/balance, part/whole, problem solving, comparison including statistics Measures- coins, comparisons to 20p, ordering/comparing Counting- 2s, 5s, 10s Measures- non-standard and simple standard measures	Multiplication and Division- Equal/unequal groups including remainders Multiplication- repeated addition, arrays, problem solving, scaling, counting in 2's to 24 Division-sharing and grouping Time- O'clock and half past Fractions- equal groups, equal, unequal parts of shapes, of quantity including capacity Numbers to Twenty Numbers to 100- place value, making tens Place value- Estimation, ordering, comparison
Year 2	Numbers to twenty- Fluency Place value- making tens, regrouping two digit numbers Counting on and back in tens Representing, ordering, comparing numbers to 100 Estimation and magnitude Numbers to 20- mental addition and subtraction Finding compliments to 10, 100 Add/subtract mentally using 1 and 2 digit numbers Finding part and whole Money- Comparisons and finding change Measures- Estimation and Measure using scales	Statistics- block graphs, pictograms, tables, tally charts Addition/Subtraction- written methods, commutativity, problem solving Time-o'clock, half past, quarter past, quarter to, estimating, ordering, comparing Doubling/halving including money Timetables- 2s, 5s, 10s, patterns and strategy (counting in 3s) Multiplication-multiples, repeated addition, number of groups, group size, product, problem solving Division- Sharing and grouping, problem solving including remainders	Fractions- halves, quarters, thirds, three quarters of amounts and shapes, equavilence Time- to nearest 5 minutes Problem solving- all four operations including fractions Multiplication and Division- equality, balance Geometry- properties of 2D/3D shape, classifying and sorting, symmetry Mental calculation Geometry- sequencing, rotation and right angles Place value Written calculation- Four operations
Year 3	Place value and regrouping Coutning on and back in ones, tens, hundreds Estimation, magnitude, rounding Measures- comparison, estimation, magnitude Mental fluency- addition, subtraction, fact families and the inverse Addition and Subtraction- written strategies, problem solving Statistics- bar charts, tables	Multiplication- 3s, 4s, 8s timetables including counting Division- 1, 2, 3, 5, 4, and 8 Times Table Multiplication- strategy, associative and distributive laws Statistics- pictograms, scaled bar charts Multiplication/Division-word problems Fractions- Finding fractions of quantities, ordering and comparing fractions, adding/subtracting fractions with the same denominator, problem solving (unit and non-unit fractions) Multiplication- multiplies of 10, formal written methods	Division- Problem solving, sharing, grouping, two and three digit numbers by one digit numbers, halving Multiplication/Division/Fractions- scaling Division- Long division Time- hours, minutes, seconds, days, weeks, months, years, analogue, digital, estimation, time duration Securing the four operations- problem solving Place value and Decimals- ten times greater/smaller, regrouping, estimation, comparing, rounding

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	Angles, right angles, estimation, perpendicular/parallel lines, vertical/horizontal lines 2D shape- properties and drawing Perimeter- problem solving		Measures 3D shape- building and identifying properties
Year 4	Place value- ordering, comparing beyond 1000. Rounding, estimation, magnitude Addition/Subtraction- mental and written fluency Counting in multiples of 6, 7, 9, 25 and 1000 Multiplication and Division facts (Times Tables), factor pairs, scaling Problem solving- measures, place value, mental strategies, arithmetic laws Multiply and Divide a one/two digit number by 10/100 Measure- conversion of units, compare, estimate, and calculate Discrete and continuous data- time graphs, scales, division Perimeter	Properties of shape, symmetry Decimal numbers- calculating, problem solving Measures- money Fractions- add and subtract with same denominator, finding fractions of quantities , fractions in context of measure, equivalence, ordering and comparing Multiplication- two and three digit numbers by one digit- formal written method Division- two and three digit numbers by one digit number- formal written method	Time- read, write, calculate, convert using analogue, digital 12/24 hour clocks Statistics- interpret/present continuous data, solve problems involving measures Roman Numerals to 100 Negative numbers- counting through zero and calculating. Geometry- Angles, properties of triangles, co-ordinates in the first quadrant, translations, position and direction, incorporating angles and plotting points on a shape Multiplication and Division Area Fractions-review Application and problem solving
Year 5	Place value- (up to three decimal places), rounding, negative numbers Multiply and Divide by 10, 100, 1000 Properties of number- multiples, factors, common factors, prime and composite numbers Multiplication/Division- mental calculation, solve problems Addition/Subtraction- range of mental strategies, formal written methods Multiplication- formal written methods Division- short division- formal written methods Fractions- equivalence, comparing and ordering, adding and subtracting	Problem solving- four operations Fractions- multiplying by whole numbers, problem solving Measure- converting units of measure Area, volume, capacity Percentages, problem solving 3D/2D shape, reflection, translation Perimeter Estimate, compare, measure, draw angles, identify unknown angles	Multiplication/Division- formal mental/written methods Solving problems involving scaling by simple fractions and rates Conversion of measures- imperial and metric Fractions, Decimals and percentages- problem solving Timetables and calculating with time Four operations- solving problems Shape- regular/irregular polygons, properties of rectangles Statistics- solve comparison, sum and difference problems reading and interpreting a line graph, interpreting and evaluating information presented in charts and tables Roman numerals
Year 6	Place value, multiply and divide by 10, 100, 1000 Choosing effective mental calculation strategies Four operations- problem solving Application of factors, multiples, primes Fractions- equivalence, comparing and ordering, adding and subtracting Fractions, Decimals, Percentages	Order of operations, algebra Long Division- formal written methods Perimeter/Area- exploring relationships Recognise and find angles, reflection and translation Fractions- multiplying/dividing, problem solving Ratio and proportion Volume, measures	Statistics- calculate and interpret mean average Application of previous learning Application of known facts and calculation strategies SATS revision Constructing pie charts Statistical representations Further Algebra

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	Multiplication- formal written method Area- parallelogram and triangles Division- formal written method Properties of shape	Statistics- interpret line graphs and pie charts Algebra and sequences	Financial maths and Enterprise Maths preparation for KS3