## Maths Curriculum Map



|  |  | - Introducing the ruler <br> Building on knowledge in Reception. <br> 1.8 Mass and volume <br> - Measuring mass <br> - Comparing mass <br> - Introducing capacity and volume Building on knowledge in Reception. | - Time to the half hour <br> - Writing time <br> - Comparing time Foundation for future topics. |
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| Year 2 | 2.1 Place Value <br> - Representing numbers to 100 <br> - Part-whole model - tens and ones <br> - Count in 3s <br> - Comparing objects and numbers <br> - Ordering objects and numbers Builds on 1.6 <br> 2.2 Addition and subtraction <br> - Bonds to 100 (tens) <br> - Add and subtract 1 <br> - 10 more and 10 less <br> - Add and subtract 10 s <br> - Add and subtracting 2-digit and 1-digit numbers <br> - Adding and subtracting a 2-digit number and a 2-digit number Builds on 1.2 and 1.5 <br> 2.3 Multiplication and division <br> - Equal groups <br> - Multiplication sentences <br> - 2 times-table <br> - 5 times-table <br> - 10 times-table <br> - Odd and even numbers <br> - Divide by 2 <br> - Divide by 5 <br> - Divide by 10 <br> Builds on 1.9 | 2.4 Measurement (Money) <br> - Counting notes and coins <br> - Comparing money <br> - Find the total <br> - Find the difference <br> - Find change Builds on 1.12 <br> 2.5 Statistics <br> - Tally charts <br> - Pictograms (1,2, 5 and 10 ) <br> - Block diagrams Foundation for future topics. <br> 2.6 Properties of shape <br> - Drawing 2-D shapes <br> - Lines of symmetry <br> - Face on 3-D shapes <br> - Vertices on 3-D shapes <br> - Make patterns with 2-D and 3-D shapes Builds on 1.3 <br> 2.7 Fractions <br> - Equal parts <br> - A third <br> - Unit fractions <br> - Non-unit fractions <br> - Equivalence of half and 2 quarters <br> - Find three quarters Builds on 1.10 | 2.8 Measurement (Time) <br> - O'clock and half past <br> - Quarter past and quarter to <br> - Telling time to 5 minutes <br> - Hours and days <br> - Finding and comparing durations Builds on 1.13 <br> 2.9 Geometry (Position and direction) <br> - Describing movement <br> - Describing turns <br> - Movements and turns Builds on 1.11 <br> 2.10 Measurement (length and height) <br> - Measure length (cm . m) <br> - Compare lengths <br> - Order lengths <br> - Four operations with length Builds on 1.7 and 2.2 and 2.5 <br> 2.11 Measurement (Mass, capacity and temperature) <br> - Comparing mass <br> - Mass in kg and g <br> - Litres and millilitres <br> - Temperature Builds on 1.8 |
| Year 3 | 3.1 Place Value <br> - Hundreds <br> - Number to 1,000 <br> - 100s,10s and 1 s <br> - Comparing objects and numbers <br> - Ordering objects and numbers Builds on 2.1 | 3.4 Multiplication and division <br> - Multiply and divide 2-digit and 1-digit numbers <br> - Divide 100 into $2,4,5$ and 10 equal parts <br> - Remainders <br> - Scaling <br> Builds on 3.3 | 3.9 Fractions <br> - The whole <br> - Tenths <br> - Fractions on a number line <br> - Fractions of objects <br> - Equivalent fractions |


|  | 3.2 Addition and subtraction <br> - Add and subtract 3-digit and 1-digit numbers (not crossing and crossing 10) <br> - Add and subtract 3-digit and 2-digit numbers (not crossing and crossing 100) <br> - Add and subtract 100 s <br> - Add and subtract 3-digit and 2-digit numbers (exchanging and no exchange) <br> - Estimating answers Builds on 2.2 <br> 3.3 Multiplication and division <br> - Multiple and divide by 3,4 and 8 <br> - 3,4 and 8 times-tables Builds on 2.3 | 3.5 Measurement (Money) <br> - Converting pounds and pence <br> - Add money <br> - Subtract money <br> - Give change Foundation for future topics. <br> 3.6 Statistics <br> - Bar charts <br> - Tables Builds on 2.5 <br> 3.7 Measurement (Length and perimeter) <br> - Equivalent lengths ( m and cm ) <br> - Equivalent lengths ( mm and cm ) <br> - Adding and subtracting lengths <br> - Measure and calculate perimeter Builds on 2.10 <br> 3.8 Fractions <br> Recap from 2.7 to prepare for 3.9 | - Comparing fractions <br> - Ordering fractions <br> - Adding and subtracting fractions with the same denominator Builds on 3.8 <br> 3.10 Measurement (Time) <br> - Months and years <br> - Hours in a day <br> - Time to 5 minutes and the minute <br> - A.m and P.m <br> - 24-hour clock <br> - Measuring time in seconds Builds on 2.11 <br> 3.11 Geometry (Properties of shape) <br> - Turns and angles <br> - Right angles <br> - Horizontal and vertical <br> - Parallel and perpendicular Builds on 2.6 and 2.9 <br> 3.12 Measurement (Mass and capacity) <br> - Measuring and comparing mass and capacity Builds on 2.11 |
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| Year 4 | 4.1 Place Value <br> - Round to the nearest 10 and 100 <br> - Count in 1,000 s <br> - Partitioning <br> - Number Line to 10,000 <br> - 1,000 more and less <br> - Count in 25 s <br> - Negative numbers <br> - Roman numerals Builds on 3.1 <br> 4.2 Addition and subtraction <br> - Subtracting 4-digit and 4 -digit numbers (exchanges and no exchanges) <br> - Adding 4-digit and 4-digit numbers (more than one exchange) <br> - Efficient subtraction <br> - Estimate answers Builds on 3.2 <br> 4.4 Multiplication and division <br> - Multiple and divide by 10 and 100 | 4.6 Multiplication and division <br> - 11 and 12 times-table <br> - Multiply 3 numbers <br> - Efficient multiplication <br> - Multiplication written methods <br> - Multiply 2-digit by 1 -digit <br> - Multiply 3 -digits by 1 -digit <br> - Divide 2-digit by 1 -digit <br> - Divide 2-digits by 1 -digit <br> - Divide 3-digits by 1 -digit Builds on 4.4 <br> 4.7 Measurement (Length and perimeter) <br> - Kilometres <br> - Perimeter of a rectangle <br> - Perimeter of rectilinear shapes Builds on 3.7 <br> 4.8 Measurement (Area) <br> - Introduction to area <br> - Counting squares | 4.9 Decimals <br> - Write, compare and order decimals <br> - Round decimals <br> - Halves and quarters Builds on 4.8 <br> 4.10 Measurement (Money) <br> - Ordering money <br> - Estimating money Builds on 3.5 <br> 4.11 Measurement (Time) <br> - Hours, minutes and seconds <br> - Years, months, weeks and days <br> - Analogue to digital Builds on 3.10 <br> 4.12 Statistics <br> - Interpret charts <br> - Line graphs Builds on 3.6 <br> 4.14 Geometry (Position and direction) <br> - Describing positions |


|  | - Multiple by 1 and 0 <br> - Divide by 1 and itself <br> - 6, 7 and 9 time-tables and division facts Builds on 3.4 <br> 4.5 Geometry (Properties of shape) <br> - Identify angles <br> - Triangles <br> - Quadrilaterals <br> - Symmetry <br> Builds on 3.11 | - Comparing area <br> Builds on 3.7 and 4.7 <br> 4.7 Fractions <br> - Equivalent fractions <br> - Fractions greater than 1 <br> - Count in fractions <br> - Add 2 or more fractions <br> - Subtract 2 fractions <br> - Subtract fractions from the whole <br> - Fractions of a quantity Builds on 3.9 <br> 4.8 Decimals <br> - Tenths as decimals <br> - Tenths on a number line <br> - Divide 1 or 2-digits by 10 <br> - Hundredths <br> - Divide 1 or 2 digits by 100 Foundation for future topics. | - Movement on a grid Builds on 2.9 |
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| Year 5 | 5.1 Place Value <br> - Numbers to 10,000 <br> - Rounding to 10,100 and 1,000 <br> - Numbers to 100,000 and a million <br> - Negative numbers <br> - Roman numerals Builds on 4.1 <br> 5.2 Addition and subtraction <br> - Add whole numbers with more than 4-digits (formal methods) <br> - Subtract whole numbers with more than 4-digits (formal methods) <br> - Round to estimate <br> - Inverse operations Builds on 4.2 <br> 5.3 Multiplication and division <br> - Factors and multiples <br> - Common Fractions <br> - Prime numbers <br> - Square numbers <br> - Cube numbers <br> - Multiple and divide by 10,100 and 1,000 Builds on 4.6 | 5.5 Multiplication and division <br> - Multiple 4-digits by 1 -digit <br> - Multiply 2, 3 and 4 -digits by 2 -digits <br> - Divide 4-digits by 1 -digit Builds on 5.4 <br> 5.6 Decimals and percentages <br> - Decimals to $2 \mathrm{~d} . \mathrm{p}$ <br> - Thousandths <br> - Rounding decimals <br> - Fraction, decimal and percentage equivalents Builds on 4.8 <br> 5.7 Measurement (Perimeter and area) <br> - Measuring and calculating perimeter <br> - Area of rectangles <br> - Area of compound and irregular shapes Builds on 4.7 and 4.8 <br> 5.8 Statistics <br> - Line graphs <br> - Tables <br> - Two-way tables <br> - Timetables Builds on 4.12 | 5.9 Geometry (Position and direction) <br> - Measuring angles <br> - Using protractors <br> - Angles on a straight line <br> - Angles around a point Builds on 4.14 <br> 5.10 Decimals <br> - Adding and subtracting decimals <br> - Multiplying decimals by 10,100 and 1,000 <br> - Dividing decimals by $10,100,1,000$ Builds on 4.8 <br> 5.11 Measurement (Converting units) <br> - Kgs and Kms <br> - Imperial and metric units <br> - Converting units of time <br> - Timetables Builds on 4.7 <br> 5.12 Measurement (Volume) <br> - Comparing volume <br> - Estimating volume <br> - Estimating capacity Builds on 3.12 |


|  | 5.4 Fractions <br> - Equivalent fractions <br> - Improper to mixed fractions <br> - Compare and order fractions <br> - Add and subtract fractions <br> - Multiply unit fractions <br> - Fractions of an amount Builds on 4.7 |  |  |
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| Year 6 | 6.1 Place Value <br> - Numbers to 10 million <br> - Comparing and ordering <br> - Rounding <br> - Negative numbers Builds on 5.1 <br> 6.2 Four operations <br> - Consolidation of prior learning <br> - Short and long division <br> - Common factors and multiples <br> - Primes to 100 <br> - Order of operations Builds on 5.2 and 5.5 <br> 6.3 Fractions <br> - Simplifying fractions <br> - Comparing and ordering fractions <br> - Adding and subtracting fractions <br> - Multiply and dividing fractions by integers <br> - Fractions of amounts Builds on 5.4 | 6.4 Decimals <br> - Three decimals places <br> - Multiply and divide by 10,100 and 1,000 <br> - Decimals as fractions <br> - Fractions to decimals Builds on 5.6 and 6.3 <br> 6.5 Percentages <br> - Fractions to percentages <br> - Fraction, decimal and percentage equivalent <br> - Percentages of amounts Builds on 5.6 <br> 6.6 Algebra <br> - Forming expressions <br> - Substitution <br> - Formulae <br> - Forming equations <br> - Solving two-step equations Foundation for future topics. <br> 6.7 Measurement (Converting units) <br> - Metric measures <br> - Converting and calculating metric measures <br> - Miles and Kilometres <br> - Imperial measures Builds on 5.11 <br> 6.8 Measurement (Perimeter, area and volume) <br> - Area and perimeter <br> - Area of triangles <br> - Volume of a cuboid Builds on 5.7 and 5.12 <br> 6.9 Ratio <br> - Calculating ratio <br> - Calculating scale factors Foundation for future topics. | 6.10 Geometry (Position and direction) <br> - First quadrant <br> - Four quadrants <br> - Translation <br> - Reflection Builds on 5.9 <br> 6.11 Statistics <br> - Line graphs <br> - Circles <br> - Pie charts <br> - The mean Builds on 5.8 <br> 6.12 Geometry (Properties of shape) <br> - Protractors <br> - Vertically opposite angles <br> - Angles in a triangle <br> - Angles in regular polygons Builds on 4.5 |

