Year 3 Maths Curriculum Overview

Term 1	Place Value	Place Value	Place Value	Addition and subtraction	Addition and subtraction	Addition and subtraction	Addition and subtraction	Measures Length and Height
Y3	• *Revise 2 digit numbers through range of contexts* • Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • Identify, represent and estimate numbers using different representations include money and measure up to 1000 • Read and write numbers up to 1000 in numerals and in words • Count in multiples of 10s and 100s Count in 50s and 100s(including money and measure)	• Value of digits and number representations • Partitioning into multiples of tens and ones • Find 10 or 100 more or less than a given number. • Find 50 more /less than a given number • Recognise coins and notes	• Number lines and scales for representing numbers and comparing them with images. • Using <> signs. • Comparing and ordering numbers, money, and measures • Compare: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) 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 2-digit numbers crossing boundaries – securing partitioning and number lines. • Add 3-digit numbers no regrouping. • Adding in the context of measures	• Subtracting 2 dig form 2 digit with and without exchanging • Subtracting a 2 digit from a 3 digit no regrouping.	• Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. • Estimate the answer to a calculation and use inverse operations to check answers • Add and subtract money to give change using £ and p in practical contexts	• Measuring lines in cms • Measure the perimeter of simple 2-D shapes (regular shapes) extend to irregular shapes. • Calculate missing sides for perimeter.

Term 2	Multiplication and division	Multiplication and division	Multiplication and division	Fractions	Fractions	Addition and subtraction Y3 – via fractions	Geometry	Time
Y3	• Revise counting in 5 and 10 from any number forwards and backwards. • Count forwards and backwards in,50s,500s10s, 100s • Count from 0 in • patterns and sequences	• Revise counting in 2s any number forwards and backwards. • Count forwards and backwards in 20s,200s, • Recall 2x tables and division facts. • Count in multiples of 4 and 8 and link to 2x table. • Count in multiples of 40s, 80s, 400s, 800s. • Recall and use multiplication and division facts for the 4 and 8, and multiplication. Link with doubling		• Recognising equal and unequal parts. • Recognising unit fractions ½,1/3,1/4,1/5,1/8,1/10 • Compare and order unit fractions, and fractions with the same denominators. • Count and down in tenths; recognise that tenths arise from	• Revise finding ½,1/4,2/4,3/4 and 1/3. • Find 1/5,1/8,10 of numbers and shapes.	• Add and subtract fractions with the same denominator within one whole. • Recognise and use fractions as numbers: unit fractions and non-unit	• Revise properties of 2-D shapes including right angles and lines of symmetry • Recognise polygons in different orientations. • Draw 2-D shapes	• Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary

	• Recall 5,10 x tables and division facts. • Use known facts to solve problems outside of 12 x 2, 12x5,12 x10,	• Commutativity	dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.		fractions with small denominators • Fraction families such as ¼ + 2/4= ¾ so ¾- ½ = 2/4 • Problem solving around listing all possibilities	(squares, rectangles) .	such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. • Include digit time representations.

Term 3 – 6 weeks	Place Value	Addition and subtraction	Multiplication and Division	Statistics
Y3	• Revisit comparing and ordering numbers and measures. • Reading scales including negative numbers • Count in 3s,4s,8s and 1/10ths. • X and divide by 10 for conversion of measures.	• Adding and subtracting with exchanging and regrouping (2 and 3 digit numbers). • Inverse operations and empty boxes • Adding and subtracting with money • Word problem solving one and two step. • Making same amounts with coins and notes	• Secure 3,4- and 8-times tables and commutativity • One and two step word multiplication problems with 3,4- and 8-times tables • Secure division facts for 3,4 and 8 tables • One step division word problems with 3,4 and 8 • Count in multiples of 30,300, 3000. • Count in multiples of 40,400 and 4000. • Count in multiples of 80,800 and 8000. • Use known facts e.g., 3 x 8 = 24… 30 x 8, 300x 8, 80x 3 etc	• Interpret and present data using bar charts, pictograms and tables. • • Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

Term 4 6 weeks	3-D Shape	Fractions - 2weeks	Measures – mass/capacity/volume - 3 weeks	Addition and Subtraction -
Y3	• Recognise 3-D shapes in different orientations and describe them • Make 3-D shapes with nets • • Problem solving with 2-D and 3-D shapes	• Introduce simple equivalence for unit fractions • Recognise and show, using diagrams, equivalent fractions with small denominators • Compare and order simple equivalences • Problem solve with equivalent fractions • Find fractions of money, measures using unit fractions, non-unit fractions and simple equivalent fractions	• Capacity and volume practical • Practical mass • Read a range of scales link to times tables, 100 more/less, 1000 more/less etc • Conversion of measures x and dividing by 10 and 100 (kg -g. ml -l, km-cm, cm-m) • Compare and order mass , volume and capacity • Problem solve with mass and volume – practical as well as written problems Word problems using 4 operations	• Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction • Estimate the answer to a calculation and use inverse operations to check answers • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

Term 5 6 weeks	Statistics	Multiplication	Division	Geometry	Time	Mixed measures
Y3	• Interpret and present data using bar charts, pictograms and tables. • Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.	• Short multiplication and multiplication by partitioning 2 digit by 1-digit number. • Word problems with the above.	• Division facts • Word problems with division • Dividing number outside of tables facts (no remainders) e.g., 66 ÷3 using partitioning	• Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle - link to translation. • Identify right angles in triangles and quadrilaterals, irregular polygons	• Know the number of seconds in a minute and the number of days in each month, year and leap year • Compare durations of events [for example to calculate the time taken by particular events or tasks]. 12 hour clock • Secure telling the time on minute	• Revisit measures • Revisit conversation

Term 6 – gap filling and deepening problem solving, securing 4 rules of calculation and fractions.