Brackenwood Junior School

Maths

Long Term Intent

Y3

2022/23

	Unit 1 - Place Value within 1000	Unit 2 – Addition and Subtraction	Unit 3 – Addition and Subtraction	Unit 4 – Multiplication and Division	
Autumn	-Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) -Identify, represent and estimate numbers using different representations -Compare and order numbers up to 1000 -Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number -Read and write numbers up to 1000 in numerals and in words -Solve number problems and practical problems involving these ideas	-Add and subtract a three-digit number and hundreds -Add and subtract a three-digit number and ones -Add and subtract a three-digit number and tens -Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction -Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	-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 -Add and subtract a three-digit number and hundreds	-Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods -Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables -Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	
	Unit 5 – Multiplication and Division	Unit 6 - Money	Unit 7 - Statistics	Unit 8 - length	Unit 9 - Fractions
Spring	-Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods -Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects -Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	-Add and subtract amounts of money to give change, using both £ and p in practical contexts	-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	-Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) -Measure the perimeter of simple 2-D shapes	-Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 -Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators -Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators

	Unit 10 - Fractions	Unit 11 - Time	Unit 12 –Angles and properties of shapes	Unit 13 - MAss	Unit 14 - Capacity
					-Compare and order unit fractions, and fractions with the same denominators -Solve problems that involve all of the above
Summer	-Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators -Recognise and show, using diagrams, equivalent fractions with small denominators -Add and subtract fractions with the same denominator within one whole (for example, $5/7 + 1/7 = 6/7$) -Compare and order unit fractions, and fractions with the same denominators -Solve problems that involve all of the above	-Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks -Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such -Read time as o'clock, a.m./p.m., morning, afternoon, noon and midnight -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]	-Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations; and describe them -Recognise angles as a property of shape or a description of a turn -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 -Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	-Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	-Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)