BRACKENWOOD JUNIOR SCHOOL

Year 3 Mathematics Curriculum Overview

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals, Percentages and Ratio
I can count from 0 in multiples of 4, 8, 50 and 100 (KP1) I can find 10 or 100 more or less than a given number **I know that 10 tens are equivalent to 100 and that 100 is ten times the size of ten. I can work out how many tens there are in three digit multiples of ten. (KP2)** **I can recognise the place value of each digit in a three-digit number (KP3)** **I can compose and decompose three digit numbers using standard and non-standard partitioning (KP4)** **I can compare and order numbers up to 1000 (KP5)** I can identify, represent and estimate numbers using different representations I can read and write numbers up to 1000 in numerals and in words I can solve number problems and practical problems involving these ideas.	**I can calculate complements to 100 (KP6)** I can add and subtract mentally a three-digit number and ones I can add and subtract mentally a three-digit number and tens I can add and subtract mentally a three-digit number and hundreds **I can add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (KP7)** **I understand the inverse relationship between addition and subtraction (KP8)** I can estimate the answer to a calculation and use inverse operations to check answers I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	**I can divide 100 into 2,4,5 and 10 equal parts. (KP9)** **I can recall and use multiplication and division facts for the 2, 3, 4, 5, 8 and 10 multiplication tables (KP10)** **I can write and calculate mathematical statements for multiplication and division using the multiplication tables that I know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods (KP11)** **I can 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. (KP12)** I can count up and down in tenths **I can recognise that tenths arise from dividing an object into 10 equal parts (KP13)** **I can divide a one digit number or quantity by 10 (KP14)**	**I can recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators (KP15)** **I can recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (KP16)** **I can add and subtract two fractions with the same denominator (KP17)** **I can compare and order unit fractions and fractions with the same denominator (KP18)** I can solve problems that involve all of the above.

Measurement	Shapes- Geometry	Statistics
I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) I can measure the perimeter of simple 2-D shapes **I can add and subtract amounts of money to give change, using both £ and p in practical contexts (KP19)** **I can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks (KP20)** I can estimate and read time with increasing accuracy to the nearest minute; **I can record and compare time in terms of seconds, minutes and hours; (KP21)** I can use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight **I know the number of seconds in a minute and the number of days in each month, year and leap year (KP22)** I can compare durations of events [for example to calculate the time taken by particular events or tasks].	I can draw 2D shapes I can make 3D shapes using modelling materials I can recognise 3D shapes in different orientations and describe them **I can recognise angles as a property of shape or a description of a turn (KP23)** I can identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; I can identify whether angles are greater than or less than a right angle **I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines. (KP24)**	**I can interpret and present data using bar charts, pictograms and tables (KP25)** I can 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.