Year 3 – Maths

Knowledge, Skills and Understanding

Number & Place Value
• **I can count from 0 in multiples of 4, 8, 50 and 100 and can find 10 or 100 more or less than a given number.** • **I can recognise the place value of each digit of a number with hundreds, tens and units.** • I can compare and order numbers up to 1000. • I can find, show and estimate numbers using objects and pictures. • I can read and write numbers up to 1000 in numbers and words. • **I can solve number and word problems.**
Addition & Subtraction
• **I can add and subtract numbers in my head, including a three digit number and ones.** • **I can add and subtract numbers in my head, including a three digit number and tens.** • **I can add and subtract numbers in my head, including a three digit number and hundreds.** • I can add and subtract numbers with up to three digits using formal column methods. • I can estimate the answer to a calculation and use this and inverse operations to check answers. • I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
Multiplication & Division
• **I can recall and use multiplication and division facts for the 3, 4 and 8 times tables.** • **I can calculate multiplication and division problems, both mentally and in writing, using the times tables, including two digit numbers times one digit numbers.** • I can solve problems, including missing number problems, involving multiplication and division, including factors and ratio.
Fractions
• **I can count up and down in tenths, and know that tenths are made by dividing an object into 10 equal parts and dividing one-digit numbers or quantities by 10.** • **I can write and find fractions for a set of data and can recognise fractions with small denominators.** • I can find and use fractions as numbers e.g. 1/4 of 8 = 2 and 3/4 of 8 = 6. • **I can identify and show equivalent fractions.** • I can add and subtract fractions with the same denominator within one whole. • I can compare and order fractions with the same denominator. • I can solve fraction problems.

Measurement

- **I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume and capacity (l/ml).**
- I can measure the perimeter of simple 2-D shapes.
- **I can add and subtract money, giving change and using pounds and pence. I can do this with real coins and notes.**
- **I can tell the time on a clock face. I can do this if it uses Roman numerals from I to XII, and I can use 12-hour or 24-hour clocks.**
- I can estimate and read the time to the nearest minute. I can record time in seconds, minutes and hours. I can use the words o'clock, a.m., p.m., morning, afternoon, noon and midnight.
- I can tell you the number of seconds in a minute and how many days there are in a month, a year, and in a leap year.
- I can compare how much time is taken by different events or tasks.

Properties of Shape

- I can draw 2-D shapes and make 3-D shapes using modelling materials. I can recognise 3-D shapes in different orientations.
- I can recognise angles as properties of shape. I know that angles are a description of a turn.
- **I can spot right angles. I know that two right angles make a half-turn, three make three quarters of a turn and four make a full turn. I can spot when angles are greater or less than a right angle.**
- I can spot horizontal and vertical lines and pairs of perpendicular and parallel lines.

Statistics

- **I can interpret and present data using bar charts, pictograms and tables.**
- I can solve one-step and two-step questions e.g. 'How many more?' and 'How many fewer?', using information presented in scaled bar charts, pictograms and tables.