An overview of our Maths throughout the year

Year 4

- count in 6s, 7s, 9s, 25s, 1000s and hundredths; count backwards through zero to include negative numbers
- read, write, compare, order and know place value of numbers to at least 10000 and numbers with the same number of decimal places up to two decimal place
- round any number to the nearest 10, 100 or 1000 and decimals with 1 decimal place to the nearest whole number
- add and subtract up to four-digit numbers mentally and using formal written columnar methods
- tables and division facts 12 x 12, including 0 and 1
- multiply three numbers
- multiply two and three-digit numbers by a one-digit number using formal written layout
- dividing a one or two-digit number by 10 and 100, identifying value of digits
- add and subtract fractions with the same denominator

- measure and calculate perimeter of rectilinear shapes in metres and centimetres
- find the area of rectilinear shapes by counting squares
- read, write and convert time between analogue and digital 12 and 24-hour clocks
- conversion between units of measure

- sorting and classifying quadrilateral and triangles
- identify lines of symmetry in 2-D shapes presented in different orientations
- identify acute and obtuse angles and compare and order angles up to two right angles by size
- description positions and translations (movement) within the first quadrant

- **solve number problems and practical problems involving these ideas**

This Autumn term we will be learning:

- To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).
- To identify, represent and estimate numbers using different representations.
- To order and compare numbers beyond 1000.
- To round any number to the nearest 10, 100 or 1000.
- To add and subtract numbers with up to four digits using the efficient written methods of columnar addition and subtraction where appropriate.
- To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
- To recall multiplication facts for multiplication tables up to 12 × 12.
- To use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
- To recognise and use factor pairs and commutativity in mental calculations.
- To multiply two-digit and three-digit numbers by a one-digit number using formal written layout.
- To count up and down in tenths, hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten.
- • To solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.

This is how you can help:

Apps – Squeebles Times tables + Division – all times tables and division facts

Number - Measure objects around the house in cm and/or m, if the bath measures 1m65cm or 165cm or 1.65m use measuring vocabulary to count along the ruler or tale measure, then round the measurements to nearest 10, 100 or 1000. Put a set of measurements in order.

Mental subtraction – choose a 3 digit car number e.g. 569, make a subtraction calculation 56-9, work it out in your head, if you are right score a point. The first to 10 points wins.