Year Three: An overview of what your child will be taught in Maths

Year 3 Autumn Term

Number and Place Value

- Identify, represent and estimate numbers in different ways
- Find 10 or 100 more than or less than a given number
- Recognise the place value of digits in three-digit numbers (100s, 10s and 1s)
- Compare and order numbers to 1000
- Read and write number to 1000 in numerals and words
- Solve number and practical problems involving these ideas
- Count from 0 in multiples of 4, 8, 50 and 100

Number: Addition and Subtraction

- Add and subtract numbers mentally, including a three-digit number and ones, a three-digit number and tens and a three-digit number and hundreds
- Add and subtract numbers up to 3 digits using a written column method.
- Estimate the answer to a question and use an inverse operation to check.
- Solve problems, including missing number problems, using number facts, place value and addition and subtraction

Number: Multiplication and Division

- Count from 0 in multiples of 4, 8, 50 and 100
- Recall and use division and multiplication number facts for the 3s, 4s and 8 times tables
- Write mathematical statements for multiplication and division using the times tables they know, including for two-digit numbers multiplied by 1 digit numbers.
- Solve problems involving scaling single digit numbers (make 4, 5 times larger)

Year 3 Spring Term

Number: Multiplication and Division

- Count from 0 in multiples of 4, 8, 50 and 100
- Recall and use division and multiplication number facts for the 3s, 4s and 8 times tables
- Write mathematical statements for multiplication and division using the times tables they know, including for two-digit numbers multiplied by 1 digit numbers.
- Solve problems involving scaling single digit numbers (make 4, 5 times larger)

Measurement: Money

- Add and subtract amounts of money in £ and p in practical contexts

Statistics

- Interpret and present data using bar charts, pictograms and tables
- Solve one-step and two- step problems by interpreting data from bar charts, pictograms and tables-e.g. How many more? How many fewer?

Measurement: Length and Perimeter

- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- Measure the perimeter of simple 2D shapes

Number: Fractions

- Count up and down in tenths and recognise that a tenth is found by dividing a number into 10 equal parts.
- Recognise and use fractions as numbers: unit (1/2, 1/3, ¼) and non-unit (2/3, ¾) fractions with small denominators.
- Recognise, find and write fractions of objects-using unit and non-unit fractions with small denominators
- Solve problems involving the above.

Year 3 Summer Term

Number: Fractions

- Recognise and show equivalent fractions, using diagrams and images
- Compare and order unit fractions and fractions with the same denominators
- Add and subtract fractions with the same denominators, within a whole number- e.g. 1/7 + 5/7=6/7
- Solve problem that involve all of the above

Measurement: Time

- Tell and write time from an analogue clock, using roman numerals, 12 hour and 24 hour times.
- Estimate and read the time to the nearest minute
- Record and compare time in terms of seconds, minutes and hours
- Use the following vocabulary: 'o' clock, am/pm, 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

Geometry: Properties of Shape

- Recognise angles as a property of a shape or a measurement of a turn
- Identify right angles and know that two right angles make a half turn, three make ¾ turn and four make a full turn
- Identify angles that are more than or less than a right angle
- Identify horizontal, vertical and parallel lines
- Identify perpendicular lines
- Draw 2D and 3D shapes using modelling materials
- Recognise and describe 3D shapes in different orientations

Measurement: Mass and Capacity

- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); capacity/volume (l/ml)