

An overview of our Maths throughout the year



Year 3

- count in 4s, 8s, 50s, 100s and tenths from zero
- read, write, compare and order numbers to at least 1000
- know the place value of each digit in three-digit numbers
- find 10 or 100 more or less than a given number

- add and subtract ones, tens and hundreds to or from three-digit numbers mentally, two two-digit numbers where the answers could exceed 100
- add and subtract three-digit numbers using formal written columnar methods
- tables and division facts for x3, x4 and x8
- add and subtract fractions with the same denominator
- develop formal written multiplication and division methods for two-digit by one-digit numbers
- begin to understand unit and non-unit fractions as numbers on the number line, and deduce relations between them, such as size and equivalence

- measure the perimeter of simple shapes
- tell the time to the nearest minute using analogue clocks
- add and subtract amounts of money to give change, using both £ and p in practical contexts

- draw 2-D and make 3-D shapes
- recognise and describe 3-D shapes in different orientations
- recognise that angles are a property of shape or a description of a turn, using right angles as a marker
- horizontal and vertical lines and pairs of perpendicular and parallel lines

- understand and use simple scales (e.g. 2,5,10 units per cm) in pictograms and bar charts

- 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 three-digit number (hundreds, tens, ones). To read and write in numerals and words numbers to 1000.
- To order and compare numbers to 1000.
- To read and write numbers up to 1000 in numerals and in words.
- To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number.
- To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables and solve simple word problems in context.
- To add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds.
- To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
- To tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.
- To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
- To compare and order unit fractions, and fractions with the same denominators and recognise equivalent fractions.

This is how you can help:

- **App** - Squeebles Times tables - x2, x3, x4, x5, x8, x10
- **Number** - Using items from your food cupboard add and subtract weights. Work out how much a meal weighs, then calculate how much each person had. E.g. $864 \div 4$ people = (halve it and halve it again, $432 \rightarrow 216$ each)
- **Number** - roll a dice three times to make a 3 digit number, repeat until you have several 3 digit number. Put them in order from smallest to largest, tell your child the number and ask them to write it down, look at what each digit means. E.g. $324 \rightarrow 2$ is 2 tens or 20.