## Year 2: Mathematics

The national curriculum for mathematics aims to ensure that all pupils:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

| Key performance indicator | Performance standard |
| :---: | :---: |
| Number and place value <br> Counts in steps of two, three, and five from 0, and in tens from any number, forward and backward <br> Compares and orders numbers from 0 up to 100 <br> Uses < > and = signs correctly <br> Uses place value and number facts to solve problems <br> Addition and subtraction (inc statistics) <br> Solves problems with addition and subtraction by: <br> 1. using concrete objects and pictorial representations, including those involving numbers, quantities and measures; and <br> 2. applying an increasing knowledge of mental and written methods. <br> Recalls and uses addition and subtraction facts to 20 and 100: <br> 1. fluently up to 20 <br> Statistics: Asks and answers questions about totalling and comparing categorical data <br> Multiplication and division <br> Recalls and uses multiplication and division facts for the | With reference to the KPIs <br> By the end of Y2 a child should be mentally fluent with whole numbers, counting and place value. A child should know the number bonds to 20 and be precise in using and understanding place value <br> Using practical resources, a child can work with numerals, words and the four operations (eg concrete objects and measuring tools) <br> Using a range of measures, a child can recognise, describe, draw, compare and sort different shapes and use the related vocabulary <br> A child can describe and compare different quantities such as length, mass, capacity/volume, time and money <br> A child can read and spell mathematical vocabulary at a level consistent with their increasing word reading and spelling knowledge at key stage 1 |

