YEAR 2 MATHS

During Year 2 a child will perform the following:

Number and place value
- Counts in steps of two, three, and five from 0, and in tens from any number, forward and backward.
- Compares and orders numbers from 0 up to 100.
- Uses < > and = signs correctly.
- Uses place value and number facts to solve problems.

Addition and subtraction
- Solves problems with addition and subtraction by:
  1. using concrete objects and pictorial representations, including those involving numbers, quantities and measures; and
  2. applying an increasing knowledge of mental and written methods.
- Recalls and uses addition and subtraction facts to 20 and 100:
  1. fluently up to 20.

Multiplication and division
- Recalls and uses multiplication and division facts for the two, five and 10 multiplication tables, including recognising odd and even numbers.
- Solves problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

Fractions (including decimals)
- Recognises, finds, names and writes fractions 1/3, 1/4, 2/4, and 3/4 of a length, shape, set of objects or quantity.

Measurement
- Solves simple problems in a practical context involving addition and subtraction of money of the same unit including giving change.

Geometry
- Properties of shape Compares and sorts common 2-D and 3- D shapes and everyday objects.

Geometry Position and Direction
- Uses mathematical vocabulary to describe position, direction and movement including movement in a straight line, and distinguishes between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)

Statistics
- Asks and answers questions about totalling and comparing categorical data.

By the end of Year 2 they will:
With reference to the KPIs   - 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.   - Using practical resources, a child can work with numerals, words and the four operations (e.g. concrete objects and measuring tools).   - Using a range of measures, a child can recognise, describe, draw, compare and sort different shapes and use the related vocabulary.   - A child can describe and compare different quantities such as length, mass, capacity/volume, time and money.   - A child can read and spell mathematical vocabulary at a level consistent with their increasing word reading and spelling knowledge at key stage 1.