

## NUMERACY

*From September 2014, Years 1, 2, 3, 4 and 5 will be following the objectives set out in the new National Curriculum for England. The current Year 6 children will be following the objectives set out in the 'old' Curriculum, because the 2015 SATs is based on these objectives.*

### COVERAGE

Numeracy is taught in Key stage 1 and in Key stage 2 from 9:30-10:30 am; Monday to Friday. Numeracy is used in other areas of the Curriculum that lend itself to number work i.e. Science, History, Geography and ICT and the children are able to apply their number knowledge in practical ways outside of the maths hour. A timed Standardised Mental Maths test is written every Friday in both Key stages to evaluate the children's understanding. The results are recorded and used to inform the teachers planning to ensure progress in all areas.

Numeracy is made up of the following areas:

#### Number

The concept of number includes addition, subtraction, multiplication, division, fractions and percentages. Children do number calculations at least 3 times a week.

#### Ratio and Proportion

This concept is taught informally using problem solving techniques in both Key stages, however in year 6, children are formally taught the concepts of Ratio and Proportion which they use to help them solve 'real life' problems.

#### Algebra

Algebra is now introduced in Year 1 as missing number concepts. In Year 2 it is expected that children are able to recall and use number facts to 20, which then lays the foundation for teachers in Key stage 2 to introduce the concept of using inverse calculations for pupils to self-check their answers. By the time the children are in year 6 they are introduced to formal written algebra.

#### Measurement

Measurement and Shape are taught and revisited weekly in both Key stages. Children are introduced to this concept in a very practical way and are given problems to solve that they can relate to and are meaningful. In Key stage 2 they are taught the relationship between kg and grams, l and ml, mm, cm, metres and km.

#### Geometry

In Year 6, children are required to work out the Mean, Mode, Median and Range from a set of numbers. This will change in 2016 when they will be required to only find the mean (average) of a set of numbers.

#### Statistics

From Year 2 onwards children are taught how to plan, collect, process and represent data. In Key stage 2 children continue to develop their understanding of scales and interpreting graphs. In Year 6, the children are introduced to graph conversions where they use 2 variables to find information e.g converting miles into kilometres.

### GENERAL

We do not set for Maths and most children are taught in class by their teacher. Children who find maths difficult are supported in class by an adult and work is differentiated to meet their needs. Children with Special Educational Needs are taught in small groups by a specialist teacher out of class.

General Targets are put in the back of the children's books on a flap so that they are able to access them more easily. Individualised targets are recorded in the front of their Maths books with the date they have been given/achieved.

In Key stage 1, one piece of homework is set every 2 weeks. Key stage 2 children are given maths homework weekly. Homework is given out on a Wednesday and must be returned by Monday of the following week to facilitate the marking of the books. A homework club is run by 2 fully qualified teachers every Thursday from 3:15-4:15pm for all children, especially those who require further input/support.