

Maths

The programme of study in Mathematics is divided into three main sections: Number, Shape/Space and Measures and Handling Data. Appropriate connections are made between these three sections in the teaching of Mathematics.

The key skills developed at Key Stage 2 are summarised below:

The children will be taught to apply number operations to every-day problem solving. This will involve the use of logical thinking, organisational reasoning and recording skills. In their work the children will use different approaches and strategies always trying to tackle a problem with mental methods first. They will learn to communicate their reasoning using precise mathematical language. Numerical skills will be used to make connections, recognise number patterns and sequences and to estimate answers, checking that the results are reasonable.

The children will be taught to recall facts, work out and calculate using mental and written methods and representation such as diagrams and symbols. (Calculators, ICT and a wide range of other resources will be used as tools for exploring numbers.)

The children will be taught to recognise and use geometric properties to present and interpret solutions to problems. Measuring skills will be applied in length, weight, capacity and time and in a variety of contexts using precise mathematical vocabulary and reasoning.

The children will learn to select and use handling data skills when solving problems. They will be taught how to represent and interpret data in the form of graphs, diagrams and charts.

The Numeracy Strategy homework provides a detailed basis for implementing the programmes of study for KS2. A range of supplementary resources will be used alongside the core scheme, "Abacus" Mathematics.

The homework policy in Mathematics which has been established throughout the school reinforces and extends classroom topics through practical activities, which the children complete with their families at home.