



Vision

Mathematics enables children to explore and develop skills in number, reasoning, problem solving as well as gaining an understanding of abstract language, symbols and representations.

Aims

- To foster a sense of enjoyment where children are enthusiastic about their learning, are aware of the learning process and achievements are celebrated.
- To help children to recognise the value of mathematics in everyday life and to equip them to apply mathematical skills to real life situations.
- To provide an interactive learning environment that encourages the development of mathematical concepts in a way that meets the varied needs of learners.



Mathematics in the EYFS

Mathematics in the Foundation Stage is divided into the two focus areas of:

- Number
- shape, space & measures.

Children develop their understanding in a broad range of contexts in which they can explore, enjoy, learn, practice and talk about their growing mathematical awareness.

We develop their understanding through a range of exciting practical activities that foster children's imagination and interest in this area.



Mathematics in Key Stage 1

In Key Stage 1 Mathematics is divided into :

- Number - number and place value; addition and subtraction; multiplication and division; fractions
- Measurement
- Geometry - properties of shapes; position and Direction

The National Curriculum for mathematics aims to ensure that all pupils:

- ◆ become fluent in the fundamentals of mathematics
- ◆ reason mathematically and use mathematical language to explain their conclusions and how they reached them
- ◆ can persevere and solve problems by applying their mathematics in different ways to obtain a solution .

Teaching and learning

Teaching builds on the EYFS by maintaining a practical focus and introducing mathematical concepts in the context of real life experiences. In KS1, the children have a focused Mathematics session four days a week which lasts for one hour.



How to help at home.

Please talk about maths in a positive way!

Research has shown that when adults share a dislike of maths or describe it as tricky or difficult, it has a hugely negative impact on children's attitude to and success with maths.

Encourage them to be resilient and not give up when solving mathematical puzzles and problems.

Help your child at home by giving them real life mathematical problems to work out! Encourage them to think logically and work methodically. For example- 4 people are coming for dinner. How many knives and forks will you need? What if more people come how many will you need then?

Ask your child to explain what they are doing and think about how they will record this.

Allow your child to use everyday objects to work out problems. Measuring jugs that children can use to practise pouring different amounts of liquids in to can be found in the kitchen. Old buttons or sweets can be used as counters. Pennies in a money box are useful for when your child plays 'shop.'

Remember maths does not always have to be practising page after page of sums!

Maths is part of our everyday life.
Have fun and your child will too!



Look out for ideas in the weekly newsletter to support the maths learning and the maths language for the week.

Assessment

In the EYFS progress is monitored and tracked through ongoing teacher observation and attainment is measured against the Early learning goals at the end of the year.

In KS1 progress is monitored and tracked formally every half term, in conjunction with continual class assessment to identify the next steps in children's learning and inform planning for future lessons.



Values



We aim to teach children to uphold, where applicable, British values and a mutual respect and tolerance of those with different faiths and beliefs.

We are a Living Values school and each month the children will focus on one value within every area of the curriculum.

Equality and Inclusion.

All children, regardless of race, gender or ability have equal access to mathematics in order to develop their personal mathematical capability. We carefully plan, monitor and assess to ensure all of our pupils feel valued.

Useful websites

www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml

<http://www.primarygames.com/math.php>

<http://resources.woodlands-junior.kent.sch.uk/maths/index.html>

