

MATHEMATICS POLICY

All children are encouraged to enjoy mathematics and become more enthusiastic mathematicians by developing their skills, knowledge and understanding through practical experiences, which have relevance and purpose in everyday situations. It is important that children develop the skills of numeracy to become lifelong learners. They should be able to apply the skills in different situations across the curriculum and in daily living outside school. Mathematics is critical to science, technology and engineering, and necessary for financial literacy and most forms of employment.

The objectives of teaching mathematics in our school are to:

- Ø develop a numerate environment where mathematical risk-taking, creativity and logical thought are encouraged in order to develop independent learners who can reason mathematically;
- Ø promote confidence and competence with numbers and the number system;
- Ø develop the ability to solve problems through decision-making and reasoning in a range of contexts;
- Ø develop a practical understanding of the ways in which information is gathered, presented and interpreted;
- Ø explore features of shape and space and develop measuring skills in a range of contexts;
- Ø develop mathematical communication through speaking and listening, practical activities and recording work;
- Ø engender an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

Within our integrated curriculum, the skills are distinct though the content used may be topic based.

To ensure progression across the school teachers use the agreed methods of calculation in their year group (see appendix A). To enable links between parents and the school a parental guide to calculations is sent out each year.

Assessment in Mathematics is linked to the APP grids and each teacher completes these as an ongoing assessment and links the children's targets directly to these. Work samples are undertaken by the subject leader and moderation meetings are held during the year as a staff.