



Mathematics Curriculum Mission Statement

Intent

At Great Sampford Primary School we recognise that **Mathematics** is a fundamental part of everyday life and so we aim to develop enthusiastic and confident learners. Mathematics teaches us how to make sense of the world around us through developing the pupils' ability to calculate, to reason and to solve problems. It enables children to understand and appreciate relationships and patterns in both number and space in their everyday lives and the world around them. We want to promote enjoyment and enthusiasm for learning through practical activity, exploration and discussion. Our children are motivated to solve problems, make decisions and reason in a range of contexts. We aim for our children to apply their mathematical knowledge to everyday life as competent and confident individuals.

Implementation

- At Great Sampford Primary School the children follow the National Curriculum programmes of study, which cover the broad categories of Number, Measurement, Geometry and Statistics.
- Children in EYFS follow the Early Years Framework working towards the early learning goals for 'number' and 'number patterns'.
- Daily lessons are broadly based on the White Rose schemes, amended to suit the particular needs of learners. Lessons regularly mix fluency with problem solving and reasoning activities.
- Teaching of number in school follows the school calculation policy. This develops children from practical equipment, to mental methods, to informal written methods to full written methods.
- Lessons develop understanding by progressing from using concrete materials (such as numicon or dienes) to visual representations on to abstract representations.
- Children complete regular, short arithmetic sessions to engrain fluency in number calculation.
- Children are encouraged to use appropriate mathematical vocabulary when appropriate.
- Teachers model the use of technical vocabulary within lessons.
- Where children require assistance to aid their understanding, they are supported through focus groups in lessons and regular interventions.
- Teachers are encouraged to involve the school environments for learning and to develop understanding through practical activities.

Impact

We strive to ensure that our children's attainment is in line with or exceeds their potential when we consider the varied starting points of all our children. We measure this by considering the age-related expectations for each year group as set out in the National Curriculum. The STA Assessment guidelines are also explicit within our assessment procedures. Our intentions are that our mathematics curriculum will ensure our pupils are academically prepared for life beyond primary school and throughout their educational journey.