

Mathematics Intent

Mathematics is important in everyday life. It is integral to all aspects of life and, with this in mind we endeavour to ensure that our children at St James' develop a healthy and enthusiastic attitude towards mathematics that will stay with them. We believe mathematics helps our children to make sense of the world around them through developing their ability to calculate, to reason and to solve problems. It enables our children to understand and appreciate relationships and pattern in both number and space in their everyday lives. Through their growing knowledge and understanding, our children learn to appreciate the contribution made by many cultures to the development and application of mathematics.

At Clitheroe St James C of E Primary School our intention in mathematics is to:

- develop a positive attitude to mathematics as an interesting and attractive subject in which all our children gain some success and pleasure.
- develop mathematical understanding through systematic direct teaching of appropriate learning objectives.
- encourage the effective use of mathematics as a tool in a wide range of activities within school and, subsequently, adult life.
- develop an ability in the children to express themselves fluently, to talk about the subject with assurance, using correct mathematical language and vocabulary.
- develop an appreciation of relationships within mathematics.
- develop ability to think clearly and logically with independence of thought and flexibility of mind.
- develop an appreciation of creative aspects of mathematics and awareness of its aesthetic appeal.
- develop mathematical skills and knowledge and quick recall of basic facts.

In our Early Years Foundation Stage We intend to lay the strong foundations needed for our children to develop their understanding of mathematics. We aim to do this through varied activities that allow our children to use, enjoy, explore, practise and talk confidently about mathematics. We endeavour to ensure opportunities are provided to allow children to develop as effective learners who are willing to accept challenge, persevere, find ways to solve problems and make links in their experiences.