

INTENT



Statement of intent for mathematics

The intent identifies what our pupils need from our mathematics curriculum:

Our pupils need:

- high quality and ambitious teaching where we build children's knowledge, skills and concepts sequentially so learning opportunities reflect the needs of all pupils
- to see that Maths is a form of positive communication that leads to a sense of belonging and well-being and anyone can do it
- to develop their self-confidence by becoming fluent in the fundamentals of mathematics, reasoning mathematically and solving problems.
- To provide a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject
- To understand that Maths is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment.
- To understand how Maths has influenced our world today
- to be able to talk constructively and concisely by reasoning mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- to be able to express themselves creatively by pupils making rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.

Opportunities and Experiences in Maths for pupils at Cirencester Primary School

- All pupils will have the opportunity to take part in regular and sustained class Maths lessons which develop fluency, reasoning and problem solving skills at all stages of learning.
- All pupils will have the opportunity to apply their mathematical knowledge to science and other subjects where possible.
- All pupils will have the opportunity for additional pre teach and mop up sessions should they need.
- All pupils will experience a range of opportunities to develop their application of mathematical language through rich oral discussion.
- All pupils will have the opportunity to use concrete apparatus in order to support and develop their mathematical understanding.
- All pupils will have the opportunity to communicate their mathematical understanding through the use of manipulatives, written work and first quality teaching.