

MATHS INTENT

3

Early Years Foundation Stage Curriculum

Aims

Children in reception aim through the foundation stage curriculum to:

- ✿ Have a deep understanding of numbers to 10, including their composition and compare quantities in different contexts
- ✿ Subitise up to 5 and automatically recall number bonds to 5 and some number bonds to 10, including doubling and subtraction facts.
- ✿ Verbally count beyond 20, recognising the counting pattern
- ✿ Explore and represent patterns with numbers up to 10, including even and odds, double facts and how quantities can be shared equally.

National Curriculum Key Stages 1 and 2

Aims

The national curriculum for mathematics aims to ensure that all pupils:

- ✿ Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- ✿ Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations and developing an argument, justification or proof using mathematical language
- ✿ Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.



WHAT MATHS LOOKS LIKE AT ULEY SCHOOL

At Uley Primary School we believe Mathematics is a tool for life. To function in society, we all need to be able to communicate mathematically. We must ensure that the children in our care leave our school with high standards of numeracy as well as literacy. At Uley we teach mathematics so that our pupils develop their understanding and enjoyment of the subject, and this includes linking the subject where possible to concepts in our everyday lives and other subject areas.

In our teaching of mathematics at Uley, we hope to:

- ✿ inspire an enjoyment and love of maths
- ✿ ensure pupils are numerate, have good mental arithmetic skills and understand that maths is everywhere
- ✿ enable pupils to have opportunities for mathematical thinking and discussion, using mathematical vocabulary as well as reasoning and problem solving opportunities
- ✿ provide occasions for pupils to demonstrate and use their mathematics across other subject areas
- ✿ instil confidence at using mathematics and challenge pupils to 'be the best they can be.'

WHAT THE CHILDREN SAY ABOUT MATHS AT ULEY SCHOOL

'I like getting stuck in Maths because it helps me to think about my mistakes and challenge myself'

'I like having my buddy or friend to help me in Maths'

'I like playing maths games on the Ipads, especially 'Hit The Button''

'I like using Numicon to make 100. It helps me with the different numbers and colours'