

MATHS



Intent


Maths is a skill we use on a daily basis and is an essential part of everyday life and therefore forms an important part of our broad and balanced progressive curriculum where we endeavour to ensure that children develop an enjoyment and enthusiasm for maths that will stay with them throughout their lives and empower them in future life. We believe that unlocking mathematical fluency is an essential life skill for all learners and is a pre-requisite to being able to reason and solve problems mathematically. Through providing high-quality, supportive, yet challenging lessons, our aim is to develop a positive culture of deep understanding, confidence and competence in maths that produces strong, secure learning. As a school, we recognise that the key to unlocking the potential in our children is through the development of basic mathematical skills and the understanding of mathematical concepts. We therefore place great emphasis on the use of concrete resources and pictorial representations at all ages, to enable children to fully understand the concepts and principals, when presented with abstract calculations and questions.

Implementation

At Sheet Primary School we have adopted a mastery approach which enables pupils to acquire a deep, long-term, secure and adaptable understanding of the subject.

From EYFS to year 6, our long and medium term plans are based on the White Rose Maths schemes of learning, supplemented with other high-quality resources when appropriate, and break down the larger curriculum statements into smaller progressive steps that build upon one another providing pupils with opportunities to deepen their thinking and understanding to ensure they have `mastered` each concept being taught. Concrete resources are used to support a child's conceptual understanding before progressing to pictorial and then more abstract representations.

Throughout their maths learning, children are exposed to variations in representations and structures, rich mathematical vocabulary and the use of sentence stems to support their accurate explanations and reasoning. Outdoor and digital learning opportunities are used as appropriate.



In EYFS, children have a daily whole-class maths lesson and exposure to a rich and varied range of mathematical play through continuous provision activities.

Across the school, children have a standalone 10-15 minute daily fluency session to build automaticity in key number facts which help develop a deep understanding of number relationships enabling children to calculate efficiently and accurately and become flexible in their choice of strategies.

Maths homework is planned every week across the week and reinforces what has been taught in school. Early morning maths booster clubs are offered to those children who would benefit from pre-teaching opportunities and individualised interventions are timetabled for specific children as needed.

Impact

Our aim is that all pupils develop a love for maths and are confident, resilient learners, able to manipulate numbers and reason and solve mathematical problems fluently using efficient and strategic methods, and accurate and appropriate vocabulary. All children will be fluent in key addition, subtraction and multiplication facts. The percentage of our pupils working at ARE within each year group will be at least in line with national averages and the percentage of pupils working at greater depth within in each year group will be at least in line with national averages. There will be no significant gaps in the progress of different groups of pupils (eg disadvantaged v non-disadvantaged).