

# MATHS



## Intent

For all children to become fluent, reason mathematically and solve problems. 'Pupils should make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.' Develop independent learners with inquisitive minds in maths, develop a love for maths, recognise and understand relationships and patterns in numbers in the world around them. Utilise maths skills as a tool beyond the daily maths lesson. Learn skills to extract information in problems. For all teachers to provide high quality lessons that are both challenging and enjoyable. For a full and rich curriculum to be taught across each year group children need to be confident mathematicians who are not afraid to take risks. In Maths we aim to enrich the children's love and passion for maths by providing a stimulating maths curriculum. The children are challenged as they learn to become fluent, reason and problem solve with maths ideas and processes.


## Implementation

To achieve this pupils develop their understanding of number, shape, measure and data handling. Emphasis is placed on mental maths skills and recall of number facts and patterns. Pupils are encouraged to apply their mathematical knowledge to problem solving and investigation and to reason and explain their mathematical thinking. We used maths resources daily in every lesson and ensure that the children have access to practical learning whenever possible, including the outdoor learning environment.

**EYFS** Daily whole class maths time focused on fluency and recall of number.

Weekly small group learning (differentiated) focused on a specific area of learning from the EYFS Mathematical development and daily exposure to maths play both indoors and outdoors to enrich mathematical thinking.

Daily exposure to maths games, puzzles, concrete and pictorial resources in an enriching maths area within the classroom.



KS1 and KS2 Daily maths sessions planned using and adapting the Hampshire scheme, White Rose, Enrich and other resources. Highly effective use of LSAs in every maths session to support the needs of target children. A wide variety of enriching concrete, pictorial and abstract available every session to support learning. Working maths walls updated weekly to support language and offer examples and challenges. Daily fluency lessons and in KS2 daily times tables sessions. Maths home learning planned every week reinforces maths taught in school. Maths interventions to support children with additional needs.

## Impact

All pupils will have a love for maths and be able to manipulate numbers and solve problems using strategic methods All pupils will be confident in their times tables up to 12 All pupils will be fluent in the fundamentals of maths The % of pupils working at ARE within each year group will be at least in line with national averages. The % of pupils working at Greater Depth within 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 (e.g. disadvantaged vs non disadvantaged).