

Our curriculum ensures that every child recognises the importance of maths in the wider world. Our calculation policy gives the children a secure understanding of the key arithmetic skills and allows them to be confident and creative in their problem solving. The children learn how to use their mathematical skills and knowledge in a range of different contexts through carefully sequenced lessons, which build on their previous learning. Our pupils develop their fluency, reasoning and problem solving skills across the key stages and are able to apply this in other curriculum areas and in life beyond school.

| | Autumn | Spring | Summer |
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| Nursery | <p>Colours, matching, sorting Colours Matching objects – explore the words of same and different Sorting objects into two groups</p> <p>Number (1&2) and pattern Numbers 1 and 2 Subitising Pattern Consolidation</p> | <p>Number (3,4,5) Composition of number 3 Subitising skills Composition of number 4 Composition of number 5 Composition of number 6</p> <p>Measurement and mass Learning about height and length Mass and capacity Consolidation</p> | <p>Numbers and geometry Sequencing Positional language More and fewer Exploring 2D shapes Exploring 3D shapes</p> <p>Number and positional direction Number composition What comes after/before? Numbers to 5 Consolidation</p> |
| Reception | <p>Getting to know you Match, sort and compare Talk about measure and patterns It's me 1,2,3 Circles and triangles 1,2,3,4,5 Shapes with 4 sides</p> | <p>Alive in 5 Mass and Capacity Growing 6,7,8 Length, height and time Build 9 and 10 Explore 3D shapes</p> | <p>To 20 and beyond How many now? Manipulate, compose and decompose Sharing and grouping Visualise, build and map Make connections Consolidation</p> |
| Year 1 | <p>Place value (within 10) Addition and subtraction (within 10) Properties of shapes</p> | <p>Place value (within 20) Addition and subtraction (within 20) Place value (within 50) (multiples of 2, 5 and 10) Length and height Mass and volume</p> | <p>Multiplication and division (reinforce multiples of 2, 5 and 10) Fractions Position & Direction Place value (within 100) Money Time</p> |
| Year 2 | <p>Place value Addition and subtraction Shape Multiplication and division</p> | <p>Money Multiplication & Division Length and height Mass, capacity and temperature</p> | <p>Fractions Time Statistics Position and direction Multiplication and division</p> |
| Year 3 | <p>Place Value Addition & subtraction Multiplication and division Consolidation</p> | <p>Multiplication and division Length and perimeter Fractions Mass and capacity</p> | <p>Fractions Money Time Properties of shape Statistics Multiplication and division</p> |
| Year 4 | <p>Place value Addition and Subtraction Area Multiplication and division Consolidation</p> | <p>Multiplication and division Length and perimeter Fractions Decimals</p> | <p>Decimals Money Time Consolidation Properties of shapes Statistics Position and direction Multiplication and division</p> |

| | Autumn | Spring | Summer |
|--------|---|---|--|
| Year 5 | Place value Addition and Subtraction Multiplication and division Fractions | Multiplication and division Fractions Decimals and fractions Perimeter and area Statistics | Properties of shapes Position and direction Decimals Negative numbers Converting units Volume |
| Year 6 | Place value Addition and Subtraction Number: Multiplication and division Fractions Converting units | Ratio Algebra Decimals Fractions, decimals and percentages Area, perimeter and volume Statistics | Shape Position and direction Revision Themed projects, consolidation and problem solving |

Impact

Our children:

- Enjoy the maths lessons, take pride in their work and are able to apply their knowledge to support challenges in other curriculum areas.
- Have excellent calculation skills, which are built on sequentially.
- Are developing their reasoning skills to solve mathematical problems and are able to articulate the processes.
- Are gaining the fluency required to engage with maths in a logical way using their previous learning to make decisions about using the best methods and calculations to achieve a positive outcome.

Our results show progress over time with our Key Stage 2 results being consistently above national.