

MATHS

Maths Intent Statement

At St Jude's, we recognise the importance of a firm foundation in maths. In accordance with the objectives set out by the National Curriculum, we provide our children with the skills and knowledge to allow them to become good mathematicians in secondary education and beyond.

In line with the National Curriculum, we aim to ensure that all children:

- become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that they have conceptual understanding and are able to recall and apply their knowledge rapidly and accurately to problems.
- **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.

Our pupils explore maths in depth, using mathematical vocabulary to reason and explain their workings. Pupils are taught to show their workings in a concrete, pictorial and abstract form wherever suitable. They are taught to explain their choice of methods and develop their mathematical reasoning skills. We encourage resilience, adaptability and acceptance that making mistakes is often a necessary step in learning. Our curriculum allows children to better make sense of the world around them, relating the pattern between mathematics and everyday life.

At St Jude's we aim to dispel the myth that mathematics is an inherent skill known only to a few. We believe our curriculum allows every pupil, regardless of ability, to enjoy mathematics, appreciate the magic of mathematics and feel empowered to achieve excellence in maths.

YEAR	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
3	Place Value Addition & Subtraction Timestables	Addition & Subtraction Multiplication & Division Timestables	Multiplication & Division Length & Perimeter Fractions Timestables	Fractions Mass & Capacity Timestables	Fractions Money Time Shapes Statistics Timestables	Consolidation Assessment
4	Place Value Addition & Subtraction Timestables	Area Multiplication & Division Timestables	Length and Perimeter Fractions Timestables	Decimals Money Timestables	Money Time Shape Statistics Position and Direction Timestables	Consolidation Assessment
5	Place value Addition and subtraction Multiplication and division Timestables	Multiplication and division Fractions Timestables	Multiplication and division Fractions Decimals and percentages Timestables	Decimals and percentages Perimeter and area Timestables	Geometry Shape Position and direction Decimals Timestables	Decimals Negative numbers Converting units Volume
6	Place value Addition and subtraction Multiples and factors Prime, squared and cubed numbers Multiplication Short and long division Multi-step problems, order of operations and estimation	Addition and subtraction Multiplication and division Fractions Converting Units Ratios Timestables	Algebra Decimals Fractions Percentages Timestables	Area, perimeter & volume Statistics – graphs, pie charts and circles Shape Calculating angles Position and direction Timestables	Year 7 Maths transition Recapping and investigation Timestables	

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