

Maths Curriculum Statement

Maths Intent

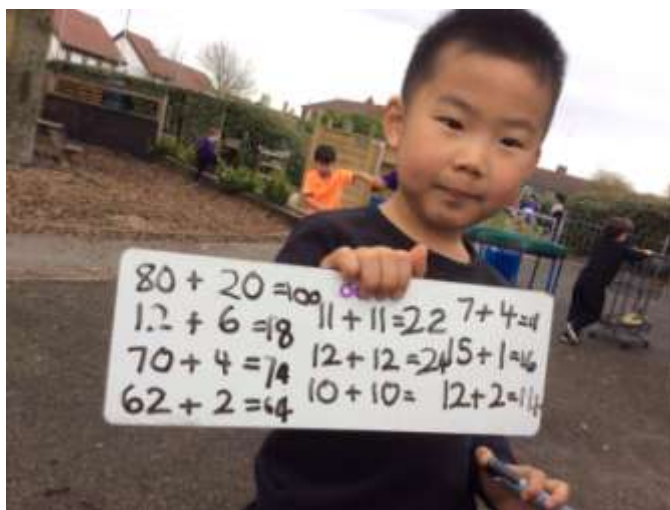
At Whitefield, we are MATHEMATICIANS!

We want our children to love Maths! We want them to have no limits to what their ambitions are and grow up with secure mathematical understanding which will assist them in whichever career path they take, as well as in their daily lives.

In order to successfully deliver a structured, rich curriculum with clear progression of skills, we follow the statutory requirements of the National Curriculum 2014 for mathematics.

At Whitefield Primary School, our approach to teaching mathematics is intended to support all of our children in becoming young, confident mathematicians; prepare them for their next stage of mathematical learning at secondary school; and to be able to apply their mathematical knowledge in everyday situations in order to be successful in life beyond school.

We intend to do this, on a daily basis, through developing all children's fluency in all areas of the mathematics national curriculum; providing opportunities to reason mathematically; and also develop children's using and applying skills when solving increasingly more complex problems involving a range of mathematical knowledge.



Maths Implementation



- Mathematics is taught on a daily basis throughout the school - EYFS to Year 6. Each class in KS1 and KS2 provide a minimum of 1 hour of mathematics per day. A mix of adult led and teacher led activities are put together for children in EYFS.

- The use of School Improvement Liverpool (SIL) medium term planning as a basis for each year group's long term planning, ensures full coverage of the national curriculum for mathematics and provides a broad and balanced spread of all areas of said curriculum. Teachers are confident to manipulate this planning in the short term in order to meet the needs of all of our children.

- Using the school's progression of skills document, the teaching of mathematics year to year builds progressively on the skills taught in previous year groups.
- On a daily basis, children, regardless of their ability, in KS1 and KS2 are provided with opportunities to become more fluent in their learning, to reason mathematically and to solve a range of problems. This is done using a range of sources such as White Rose Maths, Third Space

Learning and ISEE Reasoning.

- We use Maths Shed and Times Table Rockstars to enthuse the children in learning times tables.
- Mathematics homework is provided on a weekly basis to help embed the week's learning and share the learning with parents/carers.
- Learning in Mathematics is also shared regularly through our online SEESAW platform.
- Calculation practice is provided regularly through basic skills starter activities to ensure children's fluency in calculation methods is embedded
- Work is differentiated to meet the needs of the children within the class whilst still providing each child with the opportunity to achieve the learning intentions to meet the expectations of their year group.
- Interventions are put in place, such as 'Talk Maths' or Precision Teaching to support children where necessary.
- Children from LKS2 are invited to attend 'Mathemagicians' lunchtime sessions where Year 6 children help to support them with their maths work.
- A clear criteria for success is given to children so they understand the steps involved in becoming successful in their learning.
- Opportunities to collaborate in pairs or small groups are given regularly so children can learn from and support each other.
- Opportunities for peer and self-assessment are provided weekly so children are given instant feedback in their learning.
- Quality first teaching is provided throughout the school along with effective teacher modelling along with effective assessment for learning to make sure children are moved on in their learning or supported when finding it difficult
- Cross-curricular links are provided when opportunities arise, particularly through the use of ICT.
- Mathematics 'working walls' are in each classroom to provide key information for the children and to showcase children's work to give the children a sense of pride.

EYFS

Number fluency is continually developed within early years, our Mathematical curriculum covers 'Number and Shape, Space and Measures.' children participate in short maths sessions daily and are given time to explore mathematical concepts, test ideas, develop their understanding and practise taught skills through play. Maths can be found in all areas of our provision and children experience it in a purposeful and meaningful context within their play and daily routines. Our mud kitchen, water wall, construction areas, large sand pit and domestic role play are just some of the areas in which children can explore number, shape, space and measures. Children are encouraged to use their mathematical understanding and skills to solve real life problems and practitioners are trained to identify and extend opportunities to foster this.

Maths Impact



Our teaching of, and curriculum for, mathematics will lead to outstanding progress over time across all key stages relative to each individual child's starting point. It is designed to prepare children for their future in and outside of education so they can become successful in whatever they pursue by leaving our school at least at the expected standard for their age. Our rich and broad mathematics curriculum aims to make the children enthusiastic about learning mathematics and gain an understanding of its importance in everyday life.