



Willoughby Primary School

Maths Vision and Intent Statement

As a school we aim to:

Deliver an engaging and inspirational curriculum that prepares children for the future, develops their **curiosity** and deepens their **understanding** of the world around them. We foster each child's **independence** to nurture character development, health and well-being.

In this subject our vision is:

- Instil a 'can do' attitude, fostering confidence, perseverance, enjoyment and curiosity for mathematics.
- Facilitate confidence and competence with our number system.
- Teach 'number sense' by modelling and sharing flexibility, efficiency, choice and accuracy
- Promote mathematical thinking and problem-solving
- Understand Geometry and Measures in a range of contexts.
- Be able to explain and make predictions from the numbers in graphs, diagrams, charts and tables.
- Use and apply their mathematical knowledge, skills and vocabulary in different contexts.
- Recognise the importance of mathematics in everyday life today.

Our children say:

We use lots of equipment, games and songs to help us learn maths at Willoughby. We are encouraged to work systematically and if we do not understand something we draw things to help us visualise them.

Learning intent:

Our Maths curriculum at Willoughby, is designed to cover ten core themes as set out in the National Curriculum: place value, addition and subtraction, multiplication and division, fractions (including decimals), measurement, geometry (properties of shape) geometry (position and direction) statistics, ratio and proportion and algebra. These are broken into topics that are taught progressively across both key stages. Children are encouraged to make connections between areas of maths in order to encourage fluency, competence and problem solving. In addition, areas of maths are also applied through a variety of other subjects as appropriate. We intend to ensure our children are able to: •

- Be fluent in the fundamentals of mathematics, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Build understanding sequentially through varied and frequent practice to enable fluency and confidence to build. •
- Reason mathematically, forming conjectures about relationships, generalisations and justifying ideas using appropriate mathematical language.
- Solve a wide variety of problems by applying their mathematical knowledge and persevering in seeking solutions.