

Hockley Primary School

Maths Curriculum

How we teach Mathematics at Hockley Primary School.

At Hockley Primary School, we aim to teach Numeracy as a challenging and exciting subject with a vision to encourage positive attitudes towards learning. Children are taught Numeracy every day; lessons consists of an oral and mental starter, main teaching activity, and a plenary. Teachers share a clear learning objective with the children in order to equip them with an understanding of what they are learning. Teachers also share a success criteria with the children to help them take the vital steps that are required for them to be successful in the lesson. Children are given the opportunity to assess how well they have met the learning objective through self and peer assessment along with their teachers' verbal and written assessments. Written feedback comments celebrate success, provide guidance on how to improve and encourage children to further develop their understanding through 'Try Me' challenges. The use of learning walls engage and support children by giving them the opportunity to access key mathematical vocabulary and further develop their understanding through modelled examples. Teachers place strong emphasis on the development of mental calculation along with presenting regular opportunities for pupils to apply their knowledge of concepts through problem solving. Children are asked and expected to explain their methods, checking for reasonableness, and then progressing to the use of inverse operations.

Key Stage 1

By the end of year 2, pupils should know the number bonds to 20 and be precise in using and understanding place value. An emphasis on practice at this early stage will aid fluency.

Lower Key Stage 2

By the end of year 4, pupils should have memorised their multiplication tables up to and including the 12 multiplication table and show precision and fluency in their work.

Upper Key Stage 2

By the end of year 6, pupils should be fluent in written methods for all four operations, including long multiplication and division, and in working with fractions, decimals and percentages.

Numeracy Sets

We have recognised that there are children within a classroom with differing mathematical ability. We therefore aim to provide suitable learning opportunities for all children by matching the challenge of the work to the ability of the child. Within each phase group, there are three sets for Numeracy. There are possibilities of children moving Numeracy sets depending on their progression.

Resources

Visual representations and resources are used throughout the school to support and develop pupils understanding of mathematical concepts. Some example include: Numicon, number lines, hundred square, diennes blocks, place value cards, number cards and multiplication squares.

Interventions

The analysis of data along with the ongoing assessment of pupil's progress enables teachers to target the specific needs of children. The use of targeted interventions are put into place to support and further develop pupils understanding and knowledge. These specifically tailored interventions are led by Learning Support Assistants and take place outside of the normal daily Numeracy lesson.