

Saltersgate Infant School

Maths

Intent

At Saltersgate Infant School we foster the idea that every child can achieve in maths. We believe having a deep understanding of number is an important skill that can be used across subjects and in everyday life now and in the future. We have high expectations of all children and aim to deliver a curriculum that enables learners to work systematically, to solve problems, to reason about number and to think logically. We provide a vocabulary rich environment that encourages children to discuss and explore their ideas through peer interaction. New mathematical concepts are introduced using a 'Concrete, Pictorial and Abstract' approach; enabling all children to experience hands-on learning and have access to clear models and images to aid their understanding allowing them to build confidence to calculate mentally using the number system. We would like all our children to be fluent in the key concepts that create a deeper understanding of the maths curriculum. To ensure these concepts are embedded we provide opportunities for daily practice through continuous provision, outdoor learning and teacher led sessions.

Implementation

<p>WRM</p> <p>As a school we have adopted the use of White Rose Maths (WRM) scheme of learning which links with the aims of the national curriculum. Children's learning is broken down into smaller steps to achieve learning goals. We also use a variety of other resources to support the curriculum delivery. These include but are not limited to: NRIC, NCETM, maths shed, classroom secrets.</p>	<p>CPA</p> <p>Teachers follow a Concrete, Pictorial, Abstract approach when teaching mathematical concepts. Each stage is used to develop understanding and support learning depending on children's individual needs.</p>	<p>Revise and Review</p> <p>Children from Reception to Year 2 have daily counting practice and key mathematical concepts through a planned maths party session. Teachers can use WRM materials to support this delivery of devise their own depending on class needs.</p> <p>Continuous provision and outdoor learning</p>
<p>Early work</p> <p>KS1 set early work activities to revisit learning, address misconceptions and pre teach concepts.</p>	<p>TTRS</p> <p>We are developing the use of Times Table Rock Stars in school and at home. Children are encouraged to access the site regularly. Inter school competitions and half-termly competitions are being planned to encourage engagement.</p>	<p>Cross-Curricular.</p> <p>Maths is taught and applied across the curriculum where possible. It is included in everyday practice such as time management, days of the week, registering children.</p>

Impact

The teaching and learning of the maths curriculum at Saltersgate Infant School will give our children the confidence to use mathematical language to describe their ideas. We will have confident learners who are engaged in activities through a variety of teaching methods, resources and activities. Children will be able to demonstrate a quick recall of key mathematical concepts and use this knowledge across calculations in a range of reasoning and problem solving activities and within other subject areas.

Formative assessment takes place on a daily basis and teachers adjust planning accordingly to meet the needs of their class. Summative assessment takes place at the end of each half term/term. Children's progress and attainment are discussed in year groups and with other SLT.