

Richmond Hill Primary School

SUBJECT INTENT - MATHS

The intent is to design a mathematics curriculum which is accessible to all and maximises the development of every child's ability and academic development. Mathematical vocabulary is an essential part of each lesson and children need to understand this within the area they are studying and be able to make rich connections across other areas within this subject. We believe in promoting a sustained and deepening understanding by employing a variety of mastery strategies. At Richmond Hill Primary School our Maths curriculum intentions are:

Curriculum Drivers

Our Values

Our place in the world

Language and Oracy

Inspiration and Aspirations

Our golden rule:

'Our children are at the heart of everything we do'.

Intent	Implementation	Impact
<p>To allow children to be a part of creative and engaging lessons that will give them a range of opportunities to explore mathematics following a mastery curriculum approach.</p> <p>To give each pupil a chance to believe in themselves as mathematicians and develop the power of resilience and perseverance when faced with mathematical challenges.</p>	<ul style="list-style-type: none">• In school, we follow the national curriculum and use the 'White Rose Maths' scheme of work as a guide to support teachers with their planning and assessment.• At the start of each new topic, key vocabulary is introduced and revisited regularly to develop language	<ul style="list-style-type: none">• Children demonstrate a quick recall of facts and procedures. This includes the recollection of the times tables.• Children show confidence in believing that they will achieve.• Each child achieves objectives (expected standard) for year group.

To recognise that mathematics underpins much of our daily lives and therefore is of paramount importance in order that children aspire and become successful in the next stages of their learning.

To engage all children and entitles them to the same quality of teaching and learning opportunities, striving to achieve their potential, as they belong to our school community.

To make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.

To provide equal opportunities for children to apply their mathematical knowledge to other subjects (cross-curricular links).

acquisition, embedding as the topic progresses.

- Children are taught through clear modelling and have the opportunity to develop their knowledge and understanding of mathematical concepts. The mastery approach incorporates using objects, pictures, words and numbers to help children explore and demonstrate mathematical ideas, enrich their learning experience and deepen understanding at all levels.
- Children can ACQUIRE the skill, APPLY the skill or DEEPEN the skill within the lesson.
- Children who have shown their understanding at a deep level within the unit, will have opportunities to apply these skills in a GREATER DEPTH activity. This should be challenging and ensure that children are using more than just one skill to be able to answer the mathematical problems.

- The chance to develop the ability to recognise relationships and make connections in maths lessons.

- Mathematical concepts or skills are mastered when a child can show it in multiple ways, using the mathematical language to explain their ideas, and can independently apply the concept to new problems in unfamiliar situations.

- Children show a high level of pride in the presentation and understanding of the work

	<ul style="list-style-type: none">• Reasoning and problem solving are integral to the activities children are given to develop their mathematical thinking.• Resources are readily available to assist demonstration of securing a conceptual understanding of the different skills appropriate for each year group.• Children are encouraged to explore, apply and evaluate their mathematical approach during investigations to develop a deeper understanding when solving different problems / puzzles.• A love of maths is encouraged throughout school via links with other subjects, applying an ever growing range of skills with growing independence.• Children with additional needs are included in whole class lessons and teachers provide scaffolding and	
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	<p>relevant support as necessary. For those children who are working outside of the year group curriculum, individual learning activities are provided to ensure their progress.</p> <ul style="list-style-type: none">• Times tables are a key part of our learning and are taught daily during numeracy time. Children in KS2 also have the opportunity to go on times table rockstars daily.	
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