Leadership

- Maths Lead: M.Insalaco
- INSET in Autumn and Spring Term on Mastery Maths by Caroline Clissold
- Staff meetings: introduce new resources, share good practice and expectations
- Planning, assessment and learning walk around school to monitor displays' working walls/books
- Organise NSPCC Number Day(7th Feb'25)
- Organise training for TAs on rekenrek/Mastery Maths
- Working in partnership with London Central and West NCTEM Maths Hub on TfM(sustaining year) and Mastering Number programme
- Moderation meetings with our cluster group

Resources

- A variety of maths resources allocated per class(eg. ten frames, rekenreks, dice, multilinks etc)
- Resources available in the maths cupboard(within PE storage room in the hall)
- Number Sense Maths, White Rose Maths, Education city, Purple Mash, BBC website, Espresso, Youtube
- Playground markings

Curriculum

Please see separate document.

Assessment

- Engage Pupil voice to assess breadth of maths
- Baseline assessments
- Half term assessment
- End of year assessments
- Maths Competitions
- Maths Book look half termly
- Group needs and pupil progress data to inform tasks and next steps
- Teachers/TAs questionnaires/evaluation forms on areas/topics they need help with
- Feedback from Team leaders about subject teaching
- Share feedback with staff in INSET
- Feeding back to Governors

MATHEMATICS

at

Yeading Infant and Nursery School

2024-2025

Curriculum Objectives

- To have a deep understanding of numbers to 10 (composition of numbers; subitising; automatic recall of number facts)
- To reason mathematically and explain their ideas using mathematical language
- To solve problems by applying maths knowledge and being able to break down problems into smaller steps

Pupils

- Y-team surveys and interviews as appropriate
- Demonstrate love for learning, engagement and enjoyment through sharing children's work in newsletter
- Using appropriate maths language to explain their answers
- Able to compare and contrast(similarities and differences)
- Able to notice patterns and make links between prior and new learning
- Encouraged to engage in deeper thinking, through high-quality questioning/reasoning tasks/word problems/true or false questions etc.
- Learn and develop new skills;
- Apply learning to real-life situations(cooking, shopping) and roles(the importance of maths skills in a variety of professions)

Improvement Outcomes

- Have high expectations of themselves as mathematicians;
- They continue to show a positive attitude towards the subject
- Experience coherent, well designed lessons
- Higher percentage of children achieving secure/working at levels as well as exceeding GD levels

Teaching

- High expectations
- All teachers to plan, teach and reflect collaboratively by drawing on their deeper subject knowledge in order to provide a coherent mastery curriculum
- All teachers to demonstrate their understanding of the teaching for mastery Five Big Ideas in their daily practice

Nursery and Reception Maths Long Term Plans

	Autumn 1				Autumn 2			Spring 1			Spring 2	Summer 1			Summer 2
Nursery	Numberblocks series 1 Number Sense Stage 1 Visual Number							Numberblocks series 2 Number Sense Stage 1 Visual Number Foundation				Numberblocks series 3 Number Sense Stage 2 Make and Break numbers to 10			
Phase	Getting to know you (Take this time to play and get to know the children!)	Just like me!	It's me 1 2 3!	Light and Dark				Alive in 5!	Growing 6,7,8	Building 9 & 10		To 20 and beyond	First Then Now	Find my pattern	On the move
Number		Match and sort Compare amounts	Representing 1,2,3 Comparing 1,2,3 Composition 1,2,3	Representing numbers to 5. One more and less.				Introducing zero Comparing number to 5 Composition of 4 & 5	6,7,8 Making pairs Combining 2 groups	9 & 10 Comparing numbers to 10 Bonds to 10		Building numbers Beyond 10 Counting patterns Beyond 10	Adding more Taking away	Doubling Sharing & grouping Even and odd	Deeping understanding patterns and relationships
Measure, shape and spatial thinking		Compare size, mass & capacity Exploring pattern	Circles and triangles Positional language	Shapes with 4 sides. Time				Compare Mass Compare capacity	Length and height	3D shape pattern		Spatial reasoning Match, rotate, Manipulate	Spatial reasoning Compose and decompose	Spatial reasoning Visualise and Build	Spatial reasoning Mapping

Our White Rose Maths schemes, cover the DFE statutory framework for the EYFS and has been carefully designed to promote numeracy skills in a fun, engaging and positive way of counting number patterns and simple number problems.

	Autumn		Spring	Summer
Reception	Numberblocks 1	Numberblocks 2	Numberblocks 3	Numberblocks 4
	Number Sense Stage 1 Visual Number Foundation		Number Sense Stage 2 Make and Break numbers to 10	Number Sense Stage 3 Facts and Strategies within 10
	ELG Number - Have deep understanding of number to 10, including composition of each number - Subitise (recognise quantities without counting) up to 5 - Automatically recall (without reference to rhymes, counting or other aids) number bonds to 5 (including subtraction facts) and some number bonds to 10, including double facts Number 1-10 Recognise quantity Match numeral to quantity Write number Number bonds to 5		ELG Number - Automatically recall (without reference to rhymes, counting or other aids) number bonds to 5 (including subtraction facts) and some number bonds to 10, including double facts ELG Numerical Patterns - Verbally count beyond 20, recognising the pattern of the counting system Number families Number bonds to 5 Number bonds to 10	ELG Numerical Patterns - Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity - Explore and represent patterns within in numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.
ELG Shape, space and measures		<u>Shape and space</u> 2D and 3D shapes Positional language Sort shapes	<u>Measures</u> Length Height Pattern	<u>Measures</u> Weight Capacity Money

Maths Long Term Plan Year 1

Autumn	Number: Place Value (within 10)		Number: Addition and Subtraction (within 10)		Geometry: Shape		Number: Place Value (within 20)	
Spring	Consolidation	Number : Addition and Subtraction (within 20)	Number: Place Value (within 50)	Measurement: Length and Height	Measurement: Weight and Volume		Consolidation	
Summer	Consolidation	Number: Multiplication and Division	Number: Fractions	Geometry: Position and Direction	Number: Place Value (within 100)	Measurement: Money	Measurement: Time	

We also follow White Rose Maths primary schemes of learning within year 1!
We evaluate and revisit previous topics to close gaps with the DFE's ready-to-progress criteria.

Maths Long Term Plan Year 2

Autumn	Number: place Value	Number: Addition and Subtraction		Geometry: Shape	Measurement: Money, Time
Spring	Multiplication and Division	Fractions	Statistics	Measurement: Height, Length, Mass, Capacity, Temperature	
Summer	Geometry: Position and Direction	Consolidation and problem solving		Geometry: Shape	Measurement: Money, Time

All learners have access to the CPA approach and extended challenges through reasoning and problem solving questions. Our White Rose Maths scheme provides a consistent approach towards embedding the fundamental skills of Maths Mastery. This provides all of our pupils with a deep, long-term, secure and adaptable understanding of mathematics.