



Mathematical Development in EYFS

Mastering Number

During the 'Maths Blast' part of Reception's daily routine we follow a programme provided by NCETM. This is a new approach we have adopted for the academic year 2022/23 which is being taught across EYFS and KS1. Three teachers attend training throughout the year to ensure this is successfully implemented.

This project aims to secure firm foundations in the development of good number sense for all children from Reception through to Year 1 and Year 2. The aim over time is that children will leave KS1 with fluency in calculation and a confidence and flexibility with number. Attention will be given to key knowledge and understanding needed in Reception classes, and progression through KS1 to support success in the future.

For further information on this project, please follow the link:

<https://www.ncetm.org.uk/maths-hubs-projects/mastering-number/>

Maths in the Environment

In addition, mathematical opportunities are part of our continuous and enhanced provision in Early Years. Opportunities to develop understanding of number, measure, shape, space and pattern are everywhere in the environment we provide. Key areas with a strong Mathematical focus include our Construction Area; the Block Area; the Home Area; the Maths Area; the Making Area and the Woodwork Area. During child and adult initiated time in these areas adults will support you child in developing key concepts on maths.



Linked Texts for Maths

In addition to the Mastering Number for Reception, both Nursery and Reception have key texts mapped out across the school year. In line with children’s interests and cohort needs these may be moved around. The chosen texts ensure all aspects of maths are covered. Some texts may lead to enhancements within the provision, others may be an enhancement in their own right.

Lobley Hill Primary School is in the process of building a bank of these texts in the coming years but many of these texts can be accessed via Youtube. For key songs, rhymes and stories we are building up a bank of visuals and manipulatives to support the children in counting, subitising and making patterns.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery – Counting	123 to the zoo by Eric Carle	One Gorilla, a counting book by Anthony Browne	Count with Maisie, Cheep, cheep, cheep By Lucy Cousins	Big fat Hen by Keith Baker	The Very Hungry Caterpillar	Ten in the Bed by Penny Dale
Nursery – Cardinality	Maisy's First Numbers by Lucy Cousins	Baby Goes to Market by Atinuke	Fish Eyes by Lois Ehlert	Farm 123 by Rod Campbell	Twenty Big Trucks in the Middle of the Street by Mark Lee	Ten Black Dots by Donald Crews
Nursery – Measurement	Spot Bakes a Cake by Eric Hill	Mr Wolf’s Week by Colin Hawkins	Is it larger? Is it smaller? by Tana Hoban	Jasper’s Beanstalk by Nick Butterworth and Mick Inkpen	Washing Line by Jez Alborough	
Nursery - Space	Inside Outside Upside Down by Stan Berenstain and Jan Berenstain	Dear Zoo by Rod Campbell Up and Down by Britta Teckentrupp	Rosie’s Walk by Pat Hutchins	As the Crow Flies: A First Book of Maps by Gail Hartman	My Map Book by Sara Fanelli	Over, Under and Through by Tana Hoban
Nursery - Shape	Grandpa’s Quilt by Betsy Franco	Change Changes by Pat Hutchins	Mouse Shapes by Ellen Stoll Walsh	Peppa Pig Shapes by Ladybird (board book) ** Be aware of imprecise geometry	‘Triangle’, ‘Circle’ and ‘Square’ by Mac Barnett and Jon Klassen	Round is a Mooncake: A book of Shapes by Roseanne Thong and Grace Lin
Nursery – Pattern	Pattern Fish by Trudy Harris	Hooray for Fish by Lucy Cousins	Pattern Bugs by Trudy Harris	There Was an Old Lady Who Swallowed a Fly by Pam Adams	My Mum and Dad Make Me Laugh by Nick Sharratt	Pants by Nick Sharratt



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception - Counting	Ten Little Ladybugs by Melanie Gerth	Mouse Count by Ellen Stoll Walsh	Ten Terrible Dinosaurs by Paul Stickland	One to 10 and Back Again by Nick Sharratt and Sue Heap	Ten Tall Giraffes by Brian Moses	
Reception – cardinality	One Fox: A Counting Book Thriller by Kate Read	I Spy Numbers by Jean Marzello	I Spy Numbers in Art by Lucy Micklethwait	Ten Red Apples by Pat Hutchins	Anno's Counting Book by Mitsumasa Anno	1 to 20 Animals Aplenty by Katie Viggers
Reception – Measurement	The Smartest Giant in Town by Julia Donaldson	The Balancing Act by Ellen Stoll Walsh	The Line Up Book by Marisabina Russo	Just a Little Bit by Ann Tompert	What's the Time, Mr. Wolf? by Debi Gliori	
Reception – Space	We're going on a Bear Hunt by Michael Rosen	The Secret Path by Nick Butterworth	Lucy in the City by Julie Dillemath	Henry's Map by David Elliot	Mapping Penny's World by Loreen Leedy	Dinosaur's Day Out by Nick Sharratt
Reception - Shape	A triangle for Adaora by Frances Ifeoma Onyefulu	Block City by Robert Louis Stevenson	Have You Seen My Monster? by Steve Light	The Secret Birthday Message by Eric Carle	Shapes, Shapes, Shapes by Tana Hoban	Cubes, Cones, Cylinders, Spheres by Tana Hoban
Reception – Pattern	The Gigantic Turnip by Aleksei Tolstoy	Socks by Nick Sharratt	Brown Bear Brown Bear What Do You See? by Bill Martin Jr.	Ten in the Bed by Penny Dale	The Shopping Basket by John Burningham	Handa's Surprise by Eileen Browne

At Lobley Hill Primary School, we aim to 'Be The Best We Can Be' through being curious, adventurous and respectful in order to achieve personal excellence

