

# MATHS — NO PROBLEM! FOUNDATIONS

## ABOUT THE PROGRAMME

Maths — No Problem! Foundations is a complete Reception programme that includes Workbook Journals, Picture Books and online Teacher Guides with printable resource sheets, all in one package.

Maths — No Problem! Foundations is a one-year UK curriculum maths course for Reception developed with a deep maths-mastery focus and with genuine attention to learning core principles through embedded play.

It is produced by the same award-winning team that brought you the Maths — No Problem! Primary Series, a programme approved by the Department for Education and one of the few judged as meeting the rigorous quality guidance published by the National Centre for Excellence in the Teaching of Mathematics. Maths — No Problem! Foundations is developed by maths mastery experts including Judy Hornigold, our lead author. Dr Yeap Ban Har, a world-renowned expert in Singapore maths, directed the design of the Picture Books and James Allan Hermanson authored the stories.

## TOPIC AND ACTIVITY OVERVIEW

### Term 1

This Term 1 overview shows week-by-week the areas of learning and strands that are the main focus for your class. The relevant Early Learning Goal is also given, with all the activities connecting to, and building upon, the statutory framework. We have also included a suggestion for which of the picture books you might use, though they can of course be used for all strands!

Maths — No Problem! Foundations uses the same spiral approach as the Primary Series, to ensure depth of learning and secure understanding of key mathematical concepts. Using this weekly guide you can introduce, revisit and build on your children's knowledge.

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	Week 1	Week 2	Week 3	Week 4
<b>Maths – No Problem! Area of learning</b>	Number and Pattern	Number and Pattern	Shape, Space and Measure	Number and Pattern
<b>Maths – No Problem! Strand</b>	Matching	Sorting	Comparing and Ordering	AB Patterns
<b>EYFS Early Learning Goal</b>	Numerical Patterns: Compare quantities up to 10 in different contexts.	Numerical Patterns: Compare quantities up to 10 in different contexts.	Numerical Patterns: Compare quantities up to 10 in different contexts.  Explore and represent patterns within numbers up to 10.  ... rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures	Numerical Patterns: Explore and represent patterns within numbers up to 10.
<b>Activities</b>	<ol style="list-style-type: none"> <li>1. Simple Matching</li> <li>2. Matching by Function</li> <li>3. Matching by Number</li> <li>4. Matching Different Orientations</li> <li>5. Matching by Other Properties</li> </ol>	<ol style="list-style-type: none"> <li>1. Simple Sorting</li> <li>2. Sorting Shapes</li> <li>3. Identifying Sets</li> <li>4. Finding Sorting Rules</li> <li>5. Matching Amounts</li> </ol>	<ol style="list-style-type: none"> <li>1. Sort and Compare</li> <li>2. Ordering from Shortest to Tallest</li> <li>3. Investigating Height</li> <li>4. Comparing Lengths</li> <li>5. Ordering by Time</li> </ol>	<ol style="list-style-type: none"> <li>1. Spotting Patterns Around Us</li> <li>2. Exploring Abstract Patterns</li> <li>3. Patterns Using 10 Objects</li> <li>4. Finding the Unit of Repeat</li> <li>5. Exploring Non-Linear Patterns</li> </ol>
<b>Picture book link</b>	Rosy Red (Matching)	Magic Oven (Sorting)	Magic Oven (Sequencing)	Rosy Red (Patterns)

	Week 5	Week 6	Week 7	Week 8
<b>Maths — No Problem! Area of learning</b>	Number and Pattern	Number and Pattern	Shape, Space and Measure	Number and Pattern
<b>Maths— No Problem! Strand</b>	Counting	Counting	Time	Composition of Numbers up to Five
<b>EYFS Early Learning Goal</b>	Number: Have a deep understanding of numbers up to 10.	Number: Have a deep understanding of numbers up to 10.  Numerical Patterns: Compare quantities up to 10 in different contexts.	Numerical Patterns: Explore and represent patterns within numbers up to 10  ... rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures	Number: Have a deep understanding of numbers up to 10  Subitise
<b>Activities</b>	<ol style="list-style-type: none"> <li>1. Teddy Bears' Picnic</li> <li>2. Finding 5</li> <li>3. Counting Teddies and Bees</li> <li>4. Counting Actions</li> <li>5. Counting in Five Frames</li> </ol>	<ol style="list-style-type: none"> <li>1. Comparing Numbers of Objects</li> <li>2. Comparing Numbers</li> <li>3. Comparing Groups</li> <li>4. Counting with Towers</li> <li>5. Identifying Representations of Five</li> </ol>	<ol style="list-style-type: none"> <li>1. Day and Night</li> <li>2. Ordering Events in the Day</li> <li>3. Days of the Week</li> <li>4. Birthdays</li> <li>5. Making Fruit Caterpillars</li> </ol>	<ol style="list-style-type: none"> <li>1. Exploring Representations of 1</li> <li>2. Exploring Representations of 2</li> <li>3. Exploring Representations of 3</li> <li>4. Exploring Representations of 4</li> <li>5. Exploring Representations of 5</li> </ol>
<b>Picture book link</b>	Magic Oven (Counting to 5)	Magic Oven (Counting to 5)	Rosy Red (Ordering events)	Magic Oven (Numbers to 5)

	Week 9	Week 10	Week 11	Week 12
<b>Maths – No Problem! Area of learning</b>	Number and Pattern	Shape, Space and Measure	Shape, Space and Measure	Shape, Space and Measure
<b>Maths – No Problem! Strand</b>	Composition of Numbers up to 5	2D Shapes	2D Shapes	Positional Language
<b>EYFS Early Learning Goal</b>	Number: Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5	Number: Have a deep understanding of numbers up to 10  ... rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures	... rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures	... rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures
<b>Activities</b>	<ol style="list-style-type: none"> <li>Making 5</li> <li>Identifying 5</li> <li>Constructing Models of 5</li> <li>Breaking Apart 5</li> <li>Making Number Stories with 5</li> </ol>	<ol style="list-style-type: none"> <li>Comparing 2D Shapes</li> <li>Comparing Squares and Rectangles</li> <li>Identifying Triangles</li> <li>Identifying Squares</li> <li>Triangles and Squares</li> </ol>	<ol style="list-style-type: none"> <li>Identifying Rectangles</li> <li>Making Rectangles</li> <li>Identifying Circles</li> <li>Making Figures using 2D Shapes</li> <li>Making Figures using 2D Shapes (Partner Work)</li> </ol>	<ol style="list-style-type: none"> <li>The Greatest Gymnast of All</li> <li>Navigating an Obstacle Course</li> <li>Locating Items in the Classroom</li> <li>Rosie’s Walk</li> <li>Finding 2D Shapes in 3D Shapes</li> </ol>
<b>Picture book link</b>	Rosy Red (Addition within 5)	This N That (2D shapes)	This N That (2D shapes)	This N That (Combining shapes, positional language)