



Mathematics



School Name: Hamstel Infant School and Nursery

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Mathematics at Hamstel Infant School and Nursery is taught using the research-based scheme of work *Maths No Problem*. This is based on Singapore methods and focuses on teaching for mastery. Problem solving is a key element throughout the scheme of work to help children with their reasoning skills. When introduced to a new key concept, children have the opportunity to build competency by following a CPA approach (Concrete, Pictorial, Abstract) and supportive lesson structure where they use practical equipment, are guided by the teacher and then practice independently.



This document includes overviews that are designed to support a mastery approach to teaching and learning and have been designed for the new National Curriculum (2014).

Reception Mathematics Overview

Autumn Term	Counting by rote	Number understanding to 10						Counting an irregular arrangement of objects	2d shape	3d shape
Spring Term	Number formation and ordering	Pattern	Tallying	Numbers to 20 (partitioning tens and ones)	Weight	Capacity	Length and Size	Time	Addition	Positional Language
Summer Term	Shape (2d and 3d consolidation)	Subtraction		Money	Doubling	Halving/Sharing	Number Bonds		Numbers to 100	

Year 1 Mathematics Overview

Autumn Term	Numbers to 10	Number bonds	Addition within 10	Subtraction within 10	Positions	Numbers to 20	Addition and Subtraction within 20
Spring Term	Shapes and patterns	Length and Height	Numbers to 40	Addition and Subtraction word problems	Multiplication	Division	Fractions
Summer Term	Numbers to 100	Time	Money	Volume and Capacity	Mass	Space	Consolidation

Year 2 Mathematics Overview

Year 2 Mathematics Overview									
	2 week	2 weeks	2 weeks	2 weeks	2 weeks	2 weeks	2 weeks	1 week	1 week
Autumn Term	Chapter 1 Numbers to 100	Chapter 2 Focus on Addition	Chapter 2 Focus on Subtraction	Chapter 3 Multiplication of 2, 5 and 10	Chapter 4 Multiplication and Division	Chapter 10 Money	Chapter 5 Length	Chapter 6 Mass	
	1 week	1 week	2 weeks	1 week	2 weeks	1 week	1 week	1 week	1 week
Spring Term	Chapter 11 Two- dimensional Shapes	Chapter 12 Three- dimensional Shapes	Chapter 13 Fractions	Addition and subtraction	Chapter 14 Time	Multiplication and Division	Money	Chapter 15 Volume and Temperature	Chapter 8 Picture Graphs
Summer Term	Review, consolidation and SAT's preparation SAT's arithmetic and reasoning papers take place in the month of May.								