Primary Maths Series, New Edition
Scheme of Work — Year 4

The New Edition of the **Maths — No Problem!** Primary Maths Series is fully aligned to the 2014 English national curriculum for maths and subsequence non-statutory guidance. This Scheme of Work outlines the content and topic order within Year 4 and indicates the level of depth needed to teach maths for mastery. It can also help you and your school to plan and monitor progress.

A tried and tested structure

Unlike many free schemes of work, the **Maths — No Problem!** syllabus is based on the model developed in Singapore, which has been tested and refined over the last 30 years.

- Founded on the learning theories of Piaget, Dienes, Bruner, Skemp and Vygotsky.
- Reviewed by an expert team of consultants, including Dr Julie Alderton from Cambridge University and Dr Wong Khoon Yoong, former Head of Mathematics and Mathematics Education at the National Institute of Education, Singapore.
- Fully aligned with the 2014 English national curriculum for maths and the latest ready-to-progress guidance.

How to use our Scheme of Work

Our Scheme of Work demonstrates the spiral approach used in our programme, which builds pupils' depth of understanding and mathematical fluency without the need for rote learning. Learning is presented in small-step, logical sequences organised into individual lessons with a title indicating the focus of learning for that lesson. The sequence of lessons is carefully organised with clear lines of progression.

This Scheme of Work provides:

- An overview of the national curriculum topics covered during the school year by term.
- A full lesson breakdown for each national curriculum topic and the learning objective for each lesson.

The topics are colour coded to reflect the national curriculum content domain strands. This also allows you to see when the different topics are introduced and revisited.

Please note that the time allocated to each topic is only provided as a guide and is not meant to be prescriptive. The concepts are broken down into a number of lessons, which offer small-step progression for the most struggling of learners. As such, teachers can use their professional judgement to combine two consecutive lessons into one session as appropriate for their learners. Though teachers can merge lessons within a chapter, we do not recommend skipping or combining chapters.

What other support is available

The Scheme of Work provides a researched structure, which is ideal for teachers who are confident teaching maths for mastery and have received **Maths — No Problem!** professional development.

Schools that don't always have the time to create their own lesson content should consider using our Primary Maths Series textbooks and workbooks. The series provides carefully varied exercises, which are designed to deepen pupils' understanding, and is complemented by online Teacher Guides, which provides a step-by-step guide to each lesson, including assessment and differentiation support.

For a free demo of our Primary Maths Series go to
www.mathsnoproblem.com/demo

Phone +44 (0) 1892 537 706

MathsNoProblem.com

@MathsNoProblem

/MathsNoProblem

@mathsnoproblem_

/maths-no-problem

Primary Maths Series — Year 4 at a glance

	Autumn Term	Spring Term	Summer Term
Week 1			Measurement: Money Lesson breakdown
Week 2	Number and Place Value: Numbers to 10 000 Lesson breakdown	Calculations: Further Multiplication and Division Lesson breakdown	Measurement: Length, Mass and Volume Lesson breakdown
Week 3			
Week 4		Statistics: Graphs Lesson breakdown	Measurement: Area and Perimeter of Figures Lesson breakdown
Week 5	Calculations: Addition and Subtraction within 10 000 Lesson breakdown		
Week 6		Fractions, Decimals and Percentages: Fractions Lesson breakdown	
Week 7			Geometry – Properties of Shapes: Geometry Lesson breakdown
Week 8		Measurement: Time Lesson breakdown	
Week 9	Calculations: Multiplication and Division Lesson breakdown	Mid-year (A) Tests and Remediation	Geometry – Position and Direction: Position and Movement Lesson breakdown
Week 10		Fractions, Decimals and Percentages: Fractions Lesson breakdown	Number and Place Value: Roman Numerals Lesson breakdown
Week 11			Review and Revision
Week 12	Calculations: Further Multiplication and Division Lesson breakdown	Money	End-of-year (B) Tests and Remediation

Primary Maths Series — Year 4 lesson breakdown

Autumn Term – Textbook 4A

Number and Place Value: Numbers to 10 000

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 1 – Numbers to 10 000	Lesson 1 – Counting in Hundreds and Twenty-Fives	To count in hundreds and twenty-fives.
	Lesson 2 – Counting in Thousands	To count in thousands.
	Lesson 3 – Counting in Thousands, Hundreds, Tens and Ones	To count in thousands, hundreds, tens and ones.
	Lesson 4 – Using Place Value	To use an understanding of place value to count.
	Lesson 5 – Using Place Value	To understand place value in a 4-digit number.
	Lesson 6 – Comparing and Ordering Numbers	To compare and order numbers.
	Lesson 7 – Comparing and Ordering Numbers	To compare and order 4-digit numbers.
	Lesson 8 – Making Number Patterns	To make number patterns (100, 10, 1 more and less).
	Lesson 9 – Making Number Patterns	To make number patterns (4-digit numbers).
	Lesson 10 – Rounding 4-Digit Numbers to the Nearest 1000	To round numbers to the nearest 1000.
	Lesson 11 – Rounding 4-Digit Numbers to the Nearest 10 or 100	To round numbers to the nearest 10 or 100.
	Lesson 12 – Rounding Numbers to Estimate	To round numbers to estimate.
	Lesson 13 – Rounding Numbers to Estimate	To round numbers to estimate.
	Chapter Consolidation	To practise various concepts covered in the chapter.

Click to return to Year 4 at a glance

Primary Maths Series — Year 4 lesson breakdown

Autumn Term – Textbook 4A

Calculations: Addition and Subtraction

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 2 – Addition and Subtraction within 10 000	Lesson 1 – Finding Sums	To find totals and sums.
	Lesson 2 – Adding without Renaming	To add without renaming.
	Lesson 3 – Adding with Renaming	To add with renaming (in the ones column).
	Lesson 4 – Adding with Renaming	To add with renaming (in tens and ones).
	Lesson 5 – Adding with Renaming	To add with renaming (in hundreds, tens and ones).
	Lesson 6 – Adding Using Mental Strategies	To add using mental strategies (making tens, hundreds and thousands).
	Lesson 7 – Adding Using Mental Strategies	To add using mental strategies.
	Lesson 8 – Finding Differences	To find the difference.
	Lesson 9 – Subtracting without Renaming	To subtract without renaming (column subtraction).
	Lesson 10 – Subtracting with Renaming	To subtract with renaming (in tens and ones).
	Lesson 11 – Subtracting with Renaming	To subtract with renaming (in hundreds, tens and ones).
	Lesson 12 – Subtracting with Renaming	To subtract with renaming (in hundreds, tens and ones).

Primary Maths Series — Year 4 lesson breakdown

Calculations: Addition and Subtraction – Continued

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 2 – Addition and Subtraction within 10 000	Lesson 12 – Subtracting with Renaming	To subtract with renaming (in hundreds, tens and ones).
	Lesson 13 – Subtracting Using Mental Strategies	To subtract using mental strategies.
	Lesson 14 – Solving Word Problems	To solve addition and subtraction word problems.
	Lesson 15 – Solving Word Problems	To solve word problems (addition and subtraction).
	Lesson 16 – Solving Word Problems	To solve multi-step word problems.
	Chapter Consolidation	To practise various concepts covered in the chapter.
	2 consolidation days	To be used if lessons take longer than expected or a topic needs to be revisited.

Primary Maths Series — Year 4 lesson breakdown

Calculations: Multiplication and Division

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 3 – Multiplication and Division	Lesson 1 – Counting in Sixes, Sevens and Nines	To count in sixes, sevens and nines.
	Lesson 2 – Multiplying by 9	To multiply by 9.
	Lesson 3 – Multiplying by 7	To multiply by 7.
	Lesson 4 – Multiplying by 9	To multiply by 9.
	Lesson 5 – Multiplying by 9	To multiply by 9 (relational understanding).
	Lesson 6 – Multiplying by 11	To multiply by 11.
	Lesson 7 – Multiplying by 11	To multiply by 11.
	Lesson 8 – Multiplying by 12	To multiply by 12.
	Lesson 9 – Dividing by 6	To divide by 6.
	Lesson 10 – Dividing by 7	To divide by 7.
	Lesson 11 – Dividing by 9	To divide by 9.
	Lesson 12 – Multiplying and Dividing by 11 and 12	To multiply and divide by 11 and 12.
	Lesson 13 – Dividing with Remainder	To divide with remainders.

Primary Maths Series — Year 4 lesson breakdown

Calculations: Multiplication and Division – Continued

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 3 – Multiplication and Division	Lesson 14 – Solving Word Problems	To solve word problems involving multiplication and division.
	Lesson 15 – Solving Word Problems	To solve problems involving multiplication and division.
	Lesson 16 – Solving Word Problems	To solve multi-step problems (in the context of measures).
	Lesson 17 – Solving Word Problems	To solve problems involving multiplication and division (all possibilities).
	Lesson 18 – Solving Word Problems	To solve problems involving multiplication and division (multi-step).
	Lesson 19 – Solving Word Problems	To solve problems involving multiplication and division (scaling/comparison).
	Chapter Consolidation	To practise various concepts covered in the chapter.

Primary Maths Series — Year 4 lesson breakdown

Autumn Term – Textbook 4A

Calculations: Further Multiplication and Division

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 4 – Further Multiplication and Division	Lesson 1 – Multiplying by 0 and 1	To multiply by 0 and 1.
	Lesson 2 – Dividing by 1	To divide by 1.
	Lesson 3 – Multiplying the Same Two Numbers	To understand commutativity.
	Lesson 4 – Multiplying Three Numbers	To multiply three numbers.
	Lesson 5 – Multiplying Multiples of 10	To multiply with multiples of 10.

Primary Maths Series — Year 4 lesson breakdown

Calculations: Further Multiplication and Division (continued from Autumn Term)

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 4 – Further Multiplication and Division	Lesson 6 – Multiplying 2-Digit Numbers without Renaming	To multiply 2-digit numbers.
	Lesson 7 – Multiplying 2-Digit Numbers with Renaming	To multiply 2-digit numbers with renaming.
	Lesson 8 – Multiplying Multiples of 100	To multiply multiples of 100.
	Lesson 9 – Multiplying 3-Digit Numbers without Renaming	To multiply 3-digit numbers.
	Lesson 10 – Multiplying 3-Digit Numbers with Renaming	To multiply 3-digit numbers with renaming.
	Lesson 11 – Multiplying 3-Digit Numbers with Renaming	To multiply 3-digit numbers with renaming.
	Lesson 12 – Dividing 2-Digit Numbers	To divide 2-digit numbers.
	Lesson 13 – Dividing 3-Digit Numbers	To divide 3-digit numbers.
	Lesson 14 – Dividing 2-Digit Numbers	To divide 2-digit numbers with remainders.
	Lesson 15 – Dividing 3-Digit Numbers	To divide 3-digit numbers.
	Lesson 16 – Dividing 3-Digit Numbers	To divide 3-digit numbers with remainders.
	Lesson 17 – Solving Word Problems	To solve multiplication and division word problems.
	Lesson 18 – Solving Word Problems	To solve multiplication and division word problems (multi-step).
	Chapter Consolidation	To practise various concepts covered in the chapter.

Primary Maths Series — Year 4 lesson breakdown

Statistics: Graphs

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 5 – Graphs	Lesson 1 – Drawing and Reading Pictograms and Bar Graphs	To draw and read picture graphs and bar graphs.
	Lesson 2 – Drawing and Reading Bar Graphs	To draw and read bar graphs.
	Lesson 3 – Drawing and Reading Line Graphs	To draw and read line graphs.
	Lesson 4 – Drawing and Reading Line Graphs	To draw and read a line graph.
	Lesson 5 – Drawing and Reading Line Graphs	To draw and read line graphs (drawing focus).
	Chapter Consolidation	To practise various concepts covered in the chapter.

Primary Maths Series — Year 4 lesson breakdown

Fractions, Decimals and Percentages: Fractions

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 6 – Fractions	Lesson 1 – Counting in Hundredths	To count in hundredths.
	Lesson 2 – Writing Mixed Numbers	To write mixed number fractions.
	Lesson 3 – Showing Mixed Numbers on a Number Line	To show mixed number fractions on a number line.
	Lesson 4 – Finding Equivalent Fractions	To find equivalent fractions.
	Lesson 5 – Finding Equivalent Fractions	To find equivalent fractions (further practise).
	Lesson 6 – Simplifying Mixed Numbers	To simplify mixed number fractions.
	Lesson 7 – Simplifying Improper Fractions	To simplify improper fractions.
	Lesson 8 – Adding Fractions	To add fractions.
	Lesson 9 – Adding Fractions	To add fractions (recording answers as a mixed number).
	Lesson 10 – Adding Fractions	To add fractions (simplest form).
	Lesson 11 – Subtracting Fractions	To subtract fractions.
	Lesson 12 – Subtracting Fractions	To subtract fractions (equivalence).
	Lesson 13 – Solving Word Problems	To solve word problems.
	Chapter Consolidation	To practise various concepts covered in the chapter.
	1 consolidation day	To be used if lessons take longer than expected or a topic needs to be revisited.

Primary Maths Series — Year 4 lesson breakdown

Measurement: Time

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 7: Time	Lesson 1 – Telling Time on a 24-Hour Clock	To tell the time on a 24-hour clock.
	Lesson 2 – Converting Time in Minutes to Seconds	To convert between minutes and seconds.
	Lesson 3 – Converting Time in Hours to Minutes	To convert between hours and minutes.
	Lesson 4 – Solving Problems on Duration of Time	To solve time problems.
	Lesson 5 – Converting Years to Months and Weeks to Days	To convert between units of time.
	Lesson 6 – Solving Word Problems	To solve word problems (duration).
	Chapter Consolidation	To practise various concepts covered in the chapter.
Week 9	**Mid-Year (A) Tests and Remediation**	

Primary Maths Series — Year 4 lesson breakdown

Fractions, Decimals and Percentages: Decimals

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 8 – Decimals	Lesson 1 – Writing Tenths	To record tenths.
	Lesson 2 – Writing Tenths	To record in tenths (in different ways).
	Lesson 3 – Writing Hundredths	To write hundredths.
	Lesson 4 – Writing Hundredths	To write hundredths (in different ways).
	Lesson 5 – Dividing by 10 and 100	To divide 1-digit and 2-digit numbers by 100.
	Lesson 6 – Making Number Patterns	To add or subtract tenths or hundredths from a decimal.
	Lesson 7 – Comparing and Ordering Decimals	To compare and order decimal numbers.
	Lesson 8 – Rounding Decimals	To round decimals to the nearest whole number.
	Lesson 9 – Writing Fractions as Decimals	To recognise and write decimal equivalents of fractions.
	Chapter Consolidation	To practise various concepts covered in the chapter.

Primary Maths Series — Year 4 lesson breakdown

Measurement: Money

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 9 – Money	Lesson 1 – Writing Amounts of Money	To record amounts of money.
	Lesson 2 – Writing Amounts of Money	To record amounts of money.
	Lesson 3 – Comparing Amounts of Money	To compare total amounts of money.
	Lesson 4 – Rounding Amounts of Money	To round to the nearest pound (whole number).
	Lesson 5 – Solving Problems Involving Money	To solve money problems (addition and subtraction).
	Lesson 6 – Solving Problems Involving Money	To solve money problems (multiplication).
	Lesson 7 – Solving Problems Involving Money	To solve money problems (comparison).
	Lesson 8 – Estimating Amounts of Money	To estimate amounts of money.
	Chapter Consolidation	To practise various concepts covered in the chapter.
	1 consolidation day	To be used if lessons take longer than expected or a topic needs to be revisited.

Primary Maths Series — Year 4 lesson breakdown

Measurement: Mass, Volume and Length

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 10 – Length, Mass and Volume	Lesson 1 – Converting Units of Length	To convert units of length.
	Lesson 2 – Converting Units of Length	To convert units of length.
	Lesson 3 – Estimating Length	To estimate lengths.
	Lesson 4 – Converting Units of Mass	To convert units of mass.
	Lesson 5 – Estimating Mass	To estimate mass.
	Lesson 6 – Converting Units of Volume	To convert units of volume.
	Lesson 7 – Estimating Volume	To estimate volumes.
	Lesson 8 – Comparing and Ordering Measurements	To compare and order measurements of length, mass and volume.
	Chapter Consolidation	To practise various concepts covered in the chapter.
	1 consolidation day	To be used if lessons take longer than expected or a topic needs to be revisited.

Primary Maths Series — Year 4 lesson breakdown

Summer Term – Textbook 4B

Measurement: Area of Figures

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 11 – Area and Perimeter of Figures	Lesson 1 – Finding Perimeter	To estimate and find perimeter.
	Lesson 2 – Understanding Area	To estimate and find area.
	Lesson 3 – Measuring and Comparing Areas of Figures	To measure and compare areas (counting squares).
	Lesson 4 – Measuring and Comparing Areas of Figures	To measure and compare areas (counting squares and half-squares).
	Lesson 5 – Comparing Perimeters and Areas of Figures	To compare perimeters and areas of different figures.
	Lesson 6 – Finding Areas of Squares and Rectangles	To find the areas of squares and rectangles.
	Lesson 7 – Finding Areas of Squares and Rectangles	To find the areas of squares and rectangles.
	Chapter Consolidation	To practise various concepts covered in the chapter.
	2 consolidation days	To be used if lessons take longer than expected or a topic needs to be revisited.

Primary Maths Series — Year 4 lesson breakdown

Geometry – Properties of Shapes: Geometry

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 12 – Geometry	Lesson 1 – Identifying Types of Angles	To identify types of angles.
	Lesson 2 – Comparing Angles	To compare angles.
	Lesson 3 – Classifying Triangles	To classify triangles.
	Lesson 4 – Classifying Quadrilaterals	To classify quadrilaterals.
	Lesson 5 – Identifying Symmetrical Figures	To identify symmetrical figures.
	Lesson 6 – Finding Lines of Symmetry	To draw lines of symmetry.
	Lesson 7 – Completing Symmetrical Figures	To draw symmetrical figures.
	Lesson 8 – Making Symmetrical Figures	To make symmetrical figures.
	Lesson 9 – Comparing and Classifying Shapes	To classify shapes based on angles, lines of symmetry and number of sides.
	Chapter Consolidation	To practise various concepts covered in the chapter.
	2 consolidation days	To be used if lessons take longer than expected or a topic needs to be revisited.

Primary Maths Series — Year 4 lesson breakdown

Geometry – Position and Direction: Position and Movement

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 13 – Position and Movement	Lesson 1 – Describing Position	To describe position.
	Lesson 2 – Describing Position	To describe position.
	Lesson 3 – Plotting Points	To plot coordinates.
	Lesson 4 – Describing Translations	To describe translations.
	Lesson 5 – Describing Translations	To describe translations (coordinates).
	Chapter Consolidation	To practise various concepts covered in the chapter.
	2 consolidation days	To be used if lessons take longer than expected or a topic needs to be revisited.

Primary Maths Series — Year 4 lesson breakdown

Summer Term – Textbook 4B

Number and Place Value: Roman Numerals

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 14 – Roman Numerals	Lesson 1 – Writing Roman Numerals from 1 to 20	To write Roman numerals (to 20).
	Lesson 2 – Writing Roman Numerals to 100	To write Roman numerals to 100.
	Chapter Consolidation	To practise various concepts covered in the chapter.
	2 consolidation days	To be used if lessons take longer than expected or a topic needs to be revisited.
Week 11	**Review and Revision**	
Week 12	**End-of-Year (B) Tests and Remediation**	

By downloading these documents, you agree to these terms and conditions terms of download

This terms of use agreement sets out the terms on which you may make use of our Primary Maths Series Scheme of Work. By downloading and using our Scheme of Work you confirm that you accept these terms of use and that you agree to comply with them. If you do not agree to these terms of use, you must not use our Scheme of Work.

Eligibility

We have developed the Scheme of Work to work alongside our textbook, workbooks and online Teacher Hub. The Scheme of Work is designed for teachers and parents only. The express purpose of the Scheme of Work is;

a) To support existing users, with a current annual subscription to our Teacher Guide, with their lesson and curriculum planning, or

b) To allow prospective users to assessment the suitability of the **Maths — No Problem!** Programme, or

c) For schools, with a current annual subscription to our Teacher Guide, to share with parents to demonstrate the school's maths curriculum The Scheme of Work may not be reproduced or used for any other purpose whatsoever without the express written permission of the publisher.

Intellectual property rights

We are the owner or the licensee of all intellectual property rights in our Scheme of Work. Those works are protected by copyright laws and treaties around the world. All such rights are reserved. You may print off one copy and you may draw the attention of others within your organisation to content. You must not use any part of the content for commercial purposes without obtaining a licence to do so from us or our licensors.

If you print off, copy or modify any part of our Scheme of Work in breach of these terms of use, your right to use our Scheme of Work will cease immediately and you must, at our option, return or destroy any copies of the materials you have made.

Our status (and that of any identified contributors) as the authors of content on our website must always be acknowledged.