



Stanley Grove Primary Academy

Year 4 Maths Overview



Year 4 Scheme of Work

Maths — No Problem! is a comprehensive series that adopts a spiral design with carefully built-up mathematical concepts and processes adapted from the maths mastery approaches used in Singapore. The Concrete-Pictorial-Abstract (C-P-A) approach forms an integral part of the learning process through the materials developed for this series.

Maths — No Problem! incorporates the use of concrete aids and manipulatives, problem-solving and group work.

Textbook 4A	Chapter 1 – Numbers to 10 000	<p>Lesson 1 – Counting in Hundreds and Twenty-Fives : To count in hundreds and twenty-fives.</p> <p>Lesson 2 – Counting in Thousands: To count in thousands.</p> <p>Lesson 3 – Counting in Thousands, Hundreds, Tens and Ones: To count in thousands, hundreds, tens and ones.</p> <p>Lesson 4 – Using Place Value : To use an understanding of place value to count.</p> <p>Lesson 5 – Using Place Value : To understand place value in a 4-digit number.</p> <p>Lesson 6 – Comparing and Ordering Numbers : To compare and order numbers.</p> <p>Lesson 7 – Comparing and Ordering Numbers : To compare and order 4-digit numbers.</p> <p>Lesson 8 – Making Number Patterns : To make number patterns (100, 10, 1 more and less).</p> <p>Lesson 9 – Making Number Patterns : To make number patterns (4-digit numbers).</p> <p>Lesson 10 – Counting in Sixes, Sevens and Nines : To count in sixes, sevens and nines.</p> <p>Lesson 11 – Rounding Numbers : To round numbers to the nearest 1000.</p> <p>Lesson 12 – Rounding Numbers : To round numbers to the nearest 10, 100 and 1000.</p> <p>Lesson 13 – Rounding Numbers to Estimate : To round numbers to estimate.</p> <p>Lesson 14 – Rounding Numbers to Estimate : To round numbers to estimate.</p> <p>Lesson 15 – Chapter Consolidation</p> <p>Mind Workout: To understand negative numbers.</p>
	Chapter 2 – Addition and Subtraction Within 10 000	<p>Lesson 1 – Finding Sums: To find totals and sums.</p> <p>Lesson 2 – Adding without Renaming : To add without renaming.</p> <p>Lesson 3 – Adding with Renaming : To add with renaming (in the ones column).</p> <p>Lesson 4 – Adding with Renaming : To add with renaming (in tens and ones).</p> <p>Lesson 5 – Adding with Renaming : To add with renaming (in hundreds, tens and ones).</p> <p>Lesson 6 – Adding Using Mental Strategies : To add using mental strategies (making tens, hundreds and thousands).</p> <p>Lesson 7 – Adding Using Mental Strategies : To add using mental strategies.</p> <p>Lesson 8 – Finding Differences : To find the difference.</p> <p>Lesson 9 – Subtracting without Renaming : To subtract without renaming (column subtraction).</p> <p>Lesson 10 – Subtracting with Renaming : To subtract with renaming (in tens and ones).</p> <p>Lesson 11 – Subtracting with Renaming : To subtract with renaming (in hundreds, tens, ones).</p> <p>Lesson 12 – Subtracting with Renaming : To subtract with renaming (in hundreds, tens and ones).</p> <p>Lesson 13 – Subtracting with Renaming : To subtract with renaming.</p> <p>Lesson 14 – Subtracting Using Mental Strategies : To subtract using mental strategies.</p> <p>Lesson 15 – Solving Word Problems : To solve addition and subtraction word problems.</p> <p>Lesson 16 – Solving Word Problems : To solve word problems (addition and subtraction).</p> <p>Lesson 17 – Solving Word Problems : To solve multi-step word problems.</p> <p>Lesson 18 – Chapter Consolidation</p> <p>Mind workout. To subtract two 4-digit numbers.</p>

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Textbook 4A	Chapter 3 – Multiplication and Division	<p>Lesson 1 – Multiplying by 6: To multiply by 6. Lesson 2 – Multiplying by 7 : To multiply by 7. Lesson 3 – Multiplying by 9 : To multiply by 9. Lesson 4 – Multiplying by 9 : To multiply by 9 (relational understanding). Lesson 5 – Multiplying by 11 : To multiply by 11. Lesson 6 – Multiplying by 11 : To multiply by 11. Lesson 7 – Multiplying by 12 : To multiply by 12. Lesson 8 – Dividing by 6 : To divide by 6. Lesson 9 – Dividing by 7 : To divide by 7. Lesson 10 – Dividing by 9 : To divide by 9. Lesson 11 – Multiplying and Dividing by 11 and 12 : To multiply and divide by 11 and 12. Lesson 12 – Dividing with Remainder : To divide with remainders. Lesson 13 – Solving Word Problems : To solve word problems involving multiplication and division. Lesson 14 – Solving Word Problems : To solve problems involving multiplication and division. Lesson 15 – Solving Word Problems : To solve multi-step problems (in the context of measures). Lesson 16 – Solving Word Problems : To solve problems involving multiplication and division (all possibilities). Lesson 17 – Solving Word Problems : To solve problems involving multiplication and division (multi-step). Lesson 18 – Solving Word Problems : To solve problems involving multiplication and division (scaling/comparison). Lesson 19 – Chapter Consolidation Mind Workout: To calculate all the possibilities (multiplication).</p>
	Chapter 4 – Further Multiplication and Division	<p>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. Lesson 6 – Multiplying 2-Digit Numbers: To multiply 2-digit numbers. Lesson 7 – Multiplying 2-Digit Numbers: To multiply 2-digit numbers with renaming. Lesson 8 – Multiplying Multiples of 100: To multiply multiples of 100. Lesson 9 – Multiplying 3-Digit Numbers: To multiply 3-digit numbers. Lesson 10 – Multiplying 3-Digit Numbers: To multiply 3-digit numbers (renaming). Lesson 11 – Multiplying 3-Digit Numbers: To multiply 3-digit numbers. 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). Lesson 19 – Chapter Consolidation</p>

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Textbook 4A	Chapter 5 - Graphs	<p>Lesson 1 – Drawing and Reading Picture Graphs and Bar Graphs: To draw and read picture graphs and bar graphs.</p> <p>Lesson 2 – Drawing and Reading Bar Graphs: To draw and read bar graphs.</p> <p>Lesson 3 – Drawing and Reading Line Graphs: To draw and read line graphs.</p> <p>Lesson 4 – Drawing and Reading Line Graphs: To draw and read a line graph.</p> <p>Lesson 5 – Drawing and Reading Line Graphs: To draw and read line graphs (drawing focus).</p> <p>Lesson 6 – Chapter Consolidation</p>
	Chapter 6 – Fractions	<p>Lesson 1 – Counting in Hundredths: To count in hundredths.</p> <p>Lesson 2 – Writing Mixed Numbers: To write mixed number fractions.</p> <p>Lesson 3 – Showing Mixed Numbers on a Number Line: To show mixed number fractions on a number line.</p> <p>Lesson 4 – Finding Equivalent Fractions: To find equivalent fractions.</p> <p>Lesson 5 – Finding Equivalent Fractions: To find equivalent fractions (further practise).</p> <p>Lesson 6 – Simplifying Mixed Numbers: To simplify mixed number fractions.</p> <p>Lesson 7 – Simplifying Improper Fractions: To simplify improper fractions.</p> <p>Lesson 8 – Adding Fractions: To add fractions.</p> <p>Lesson 9 – Adding Fractions: To add fractions (recording answers as a mixed number).</p> <p>Lesson 10 – Adding Fractions: To add fractions (simplest form).</p> <p>Lesson 11 – Subtracting Fractions: To subtract fractions.</p> <p>Lesson 12 – Subtracting Fractions: To subtract fractions (equivalence).</p> <p>Lesson 13 – Solving Word Problems: To solve word problems.</p> <p>Lesson 14 – Chapter Consolidation</p>
	Chapter 7 - Time	<p>Lesson 1 – Telling Time on a 24-Hour Clock: To tell the time on a 24-hour clock.</p> <p>Lesson 2 – Changing Time in Minutes to Seconds: To convert between minutes and seconds.</p> <p>Lesson 3 – Changing Time in Hours to Minutes: To convert between hours and minutes.</p> <p>Lesson 4 – Solving Problems on Duration of Time: To solve time problems.</p> <p>Lesson 5 – Changing Years to Months and Weeks to Days: To convert between units of time.</p> <p>Lesson 6 – Solving Word Problems: To solve word problems (duration).</p> <p>Lesson 7 – Chapter Consolidation</p>

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Textbook 4B	Chapter 8 – Decimals	<p>Lesson 1 – Writing Tenths: To record tenths.</p> <p>Lesson 2 – Writing Tenths: To record in tenths.</p> <p>Lesson 3 – Writing Tenths: To record in tenths (in different ways).</p> <p>Lesson 4 – Writing Hundredths: To write hundredths.</p> <p>Lesson 5 – Writing Hundredths: To write hundredths.</p> <p>Lesson 6 – Writing Hundredths: To write hundredths (in different ways).</p> <p>Lesson 7 – Writing Hundredths: To record hundredths.</p> <p>Lesson 8 – Writing Decimals: To write decimal numbers.</p> <p>Lesson 9 – Comparing and Ordering Decimals: To compare and order decimal numbers.</p> <p>Lesson 10 – Comparing and Ordering Decimals: To compare and order decimal numbers.</p> <p>Lesson 11 – Comparing and Ordering Decimals: To compare and order decimal numbers.</p> <p>Lesson 12 – Making Number Patterns: To create number sequences.</p> <p>Lesson 13 – Rounding Decimals: To round decimal numbers.</p> <p>Lesson 14 – Rounding Decimals: To round decimal numbers.</p> <p>Lesson 15 – Writing Fractions as Decimals: To write fractions as decimal numbers.</p> <p>Lesson 16 – Dividing Whole Numbers by 10: To divide whole numbers by 10.</p> <p>Lesson 17 – Dividing Whole Numbers by 100: To divide whole numbers by 100.</p> <p>Lesson 18 – Chapter Consolidation</p>
	Chapter 9 - Time	<p>Chapter 9 – Money</p> <p>Lesson 1 – Writing Amounts of Money: To record amounts of money.</p> <p>Lesson 2 – Writing Amounts of Money : To record amounts of money.</p> <p>Lesson 3 – Comparing Amounts of Money: To compare total amounts of money.</p> <p>Lesson 4 – Rounding Amounts of Money: To round to the nearest pound (whole number).</p> <p>Lesson 5 – Solving Problems Involving Money: To solve money problems (addition and subtraction).</p> <p>Lesson 6 – Solving Problems Involving Money: To solve money problems (multiplication).</p> <p>Lesson 7 – Solving Problems Involving Money: To solve money problems (comparison).</p> <p>Lesson 8 – Estimating Amounts of Money: To estimate amounts.</p> <p>Lesson 9 – Chapter Consolidation</p>
	Chapter 10 – Mass, Volume	<p>Lesson 1 – Measuring Mass: To measure mass.</p> <p>Lesson 2 – Measuring Mass: To measure mass.</p> <p>Lesson 3 – Converting Units of Mass : To convert units of mass.</p> <p>Lesson 4 – Measuring Volume: To measure volume.</p> <p>Lesson 5 – Measuring Volume: To measure volume.</p> <p>Lesson 6 – Converting Units of Volume: To convert units of volume.</p> <p>Lesson 7 – Measuring Height: To measure height.</p> <p>Lesson 8 – Measuring Length: To measure length.</p> <p>Lesson 9 – Converting Units of Length: To convert units of length.</p> <p>Lesson 10 – Converting Units of Length: To convert units of length.</p>

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Textbook 4B	Chapter 10 – Mass, Volume	<p>Lesson 11 – Measuring Perimeter in Different Units: To measure perimeter in centimetres and millimetres.</p> <p>Lesson 12 – Solving Problems Involving Scale Reading: To solve problems in measurement (reading scales).</p> <p>Lesson 13 – Chapter Consolidation</p>
	Chapter 11 – Area of Figures	<p>Lesson 1 – Measuring the Surface that an Object Covers: To find area (by measuring surface coverage).</p> <p>Lesson 2 – Measuring Area: To measure area.</p> <p>Lesson 3 – Measuring Area: To measure area (counting squares).</p> <p>Lesson 4 – Measuring Area: To measure area (counting squares and half squares).</p> <p>Lesson 5 – Measuring Area: To measure area (using multiplication).</p> <p>Lesson 6 – Measuring Area: To measure area (shapes in different orientations).</p> <p>Lesson 7 – Chapter Consolidation</p>
	Chapter 12 – Geometry	<p>Lesson 1 – Knowing Types of Angles: To identify types of angles.</p> <p>Lesson 2 – Comparing Angles: To compare angles.</p> <p>Lesson 3 – Classifying Triangles: To classify triangles.</p> <p>Lesson 4 – Classifying Quadrilaterals: To classify quadrilaterals.</p> <p>Lesson 5 – Identifying Symmetrical Figures: To identify symmetrical figures.</p> <p>Lesson 6 – Drawing Lines of Symmetry: To draw lines of symmetry.</p> <p>Lesson 7 – Completing Symmetrical Figures: To draw symmetrical figures.</p> <p>Lesson 8 – Making Symmetrical Figures: To make symmetrical figures.</p> <p>Lesson 9 – Completing Symmetrical Figures: To complete symmetrical figures.</p> <p>Lesson 10 – Sorting Shapes: To sort shapes.</p> <p>Lesson 11 – Chapter Consolidation</p>
	Chapter 13 – Position and Movement	<p>Lesson 1 – Describing Position: To describe position.</p> <p>Lesson 2 – Describing Position: To describe position.</p> <p>Lesson 3 – Plotting Points: To plot coordinates.</p> <p>Lesson 4 – Describing Position: To describe movements.</p> <p>Lesson 5 – Describing Movements: To describe movements (coordinates).</p> <p>Lesson 6 – Chapter Consolidation</p>
	Chapter 14 – Roman Numerals	<p>Lesson 1 – Writing Roman Numerals for 1 to 20: To write Roman numerals (to 20).</p> <p>Lesson 2 – Writing Roman Numerals to 100: To write Roman numerals to 100.</p> <p>Lesson 3 – Chapter Consolidation</p>