Year 4 Maths- Medium Term Planning

Lesson 1 -	Lessons in black are key lessons that have to be taught
Lesson 2 -	Lessons in brown are lessons that can be combined into one or another key lesson
Lesson 4 -	Lessons in grey are lessons that can be taught if time allows to consolidate, these resources can be used to support the delivery of white days/journaling

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Year 4 Lesson Breakdown

Vocabulary

	Reception / EYFS	Year 1	Year 2	Year 3	Year 4
Place Value	number, digit, more, fewer, count on, count back, zero, teen numbers	Part- part Whole, ones, tens, place, order, compare, greater than (>), less than (<), equal to (=), odd, even	hundreds, partition, value, number line, estimate, between, before, after, increase, decrease	thousands, numeral, rounding, nearest 10, nearest 100, estimation	ten thousand, hundred thousand, negative numbers, interval, midpoint

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Year 4 Lesson Breakdown

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 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.

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Year 4 Lesson Breakdown

Vocabulary

	Reception / EYFS	Year 1	Year 2	Year 3	Year 4
Addition & Subtraction	add, plus, altogether, take away, minus, fewer, left over, how many left, total, same as, equal, part-part whole,	sum, more than, less than, how many more, how much more, how many fewer, difference, missing number, inverse (in simple context), equation, altogether, subtract, number bond,	column addition, column subtraction, part-part whole, related facts, regroup, rename, tens boundary, equals, bar model	method, multi-step problems, two-step problems, exchange (for subtraction) minuend, Inverse for checking, estimation, difference	Long addition, Compensation, difference in value

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Year 4 Lesson Breakdown

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).

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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.

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Year 4 Lesson Breakdown

Vocabulary

	Reception / EYFS	Year 1	Year 2	Year 3	Year 4
Multiplication & Division	group, lots of, share, equally, double, half	array, row, column, multiply, divide, equal groups, double, halve	repeated addition, repeated subtraction, commutative, inverse, grouping, multiplication, division	product, divisible, chunking, partition (in division)	factor, multiple, factor pair, divisible by, quotient,

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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.

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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).

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Year 4 Lesson Breakdown

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.

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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).

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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).

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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.

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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 Problem.	To solve word problems (duration).

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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 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.

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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).

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Year 4 Lesson Breakdown

Summer Term - Textbook 4B

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 7 - Estimating Volume	To estimate volumes.
	Lesson 8 - Comparing and Ordering Measurements	To compare and order measurements of length, mass and volume.

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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 5 – Comparing Perimeters and Areas of Figures	To compare perimeters and areas of different figures.

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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 7 - COMPLETING SYMMETRICAL Figures	To draw SYMMETRICAL figures.
	Lesson 9 - COMPARING and Classifying Shapes	To classify shapes based on angles, lines of SYMMETRY and NUMBER of sides.

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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.

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Year 4 Lesson Breakdown

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.

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