Year 1 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 1 Lesson Breakdown

Vocabulary

	Reception / EYFS	Year 1
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

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Year 1 Lesson Breakdown

Number and Place Value: Numbers to 10

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 1 - Numbers to 10	Lesson 1 - Counting to 10	To be able to count NUMBERS to 10 accurately - forward and backward.
	Lesson 2 - Counting Objects to 10	To be able to count SIMILAR objects up to 10 with accuracy and fluency.
	Lesson 3 - Writing to 10	To be able to write all NUMBERS to 10 with NUMERALS and in words; to count only objects of the SAME NAME in a group.
	Lesson 4 - Counting to Zero	To be able to understand what zero represents and use it when counting.
	Lesson 5 - Comparing Numbers of Objects	To be able to compare different sets of objects and say which one has fewer, more or is equal.
	Lesson 6 - Ordering Numbers	To be able to order numbers to 10 and know which number is greater or is lesser in value.
	Lesson 7 - COMPARING NUMBERS	To COMPARE NUMBERS using the TERMS '1 MORE' and '1 less'.

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Year 1 Lesson Breakdown

Vocabulary

	Reception / EYFS	Year 1
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,

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Year 1 Lesson Breakdown

Calculations: Addition and Subtraction

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 2 - Number Bonds	Lesson 1 - Making Number Bonds	To understand that a NUMBER is MADE up of other NUMBERS; to find as MANY ways possible to contruct a NUMBER.
	Lesson 2 - Making Number Stories	To use NUMBER bonds for storytelling.
Chapter 3 - Addition Within 10	Lesson 1 - Add by Using NUMBER Bonds	To be able to add two different NUMBERS within 10. Pupils will BECOME FAMILIAR with the different vocabulary associated with addition.
	Lesson 2 - Add by Counting On	To add by counting on.
	Lesson 3 - COMPLETING NUMBER Sentences	To COMPLETE NUMBER sentences and gain an understanding of inverse operations.
	Lesson 4 - Making Addition Stories	To be able to MAKE addition stories using correct vocabulary.
	Lesson 5 - Solving Picture PROBLEMS	To be able to solve addition PROBLEMS through pictures.
Chapter4 - Subtraction within 10	Lesson 1 - Subtract by Crossing Out	To understand that subtraction can be done by crossing out or taking away.
	Lesson 2 - Subtract by Using NUMBER Bonds	To be able to subtract using NUMBER bonds.
	Lesson 3 - Subtract by Counting Back	To be able to solve a subtraction equation by counting back, using a NUMBER line as support.
	Lesson 4 - Making Subtraction Stories	To be able to MAKE subtraction sentences.
	Lesson 5 - Solving Picture PROBLEMS	To be able to solve picture PROBLEMS involving subtraction.
	Lesson 6 - Addition and Subtraction	To solve PROBLEMS in the context of addition and subtraction and to find the corresponding NUMBER FAMILIES.

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Year 1 Lesson Breakdown

Geometry - Position and Direction: Positions

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 5 - Positions		

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Year 1 Lesson Breakdown

Number and Place Value: Numbers to 20

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 6 – Numbers to 20	Lesson 1 – Counting to 20	To count numbers up to 20. The key strategy is to begin by making 10.
	Lesson 2 – Writing to 20	To recognise, read and write numbers up to 20 in words and numerals.
	Lesson 3 – Comparing Numbers	To use the terms 'greater than' or 'less than' to compare numbers within 20.
	Lesson 4 – Ordering Numbers	To be able to arrange numbers up to 20 in ascending and descending order.

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Year 1 Lesson Breakdown

Calculations: Addition and Subtraction within 20

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 7 - Addition and Subtraction within 20 Lessons 1-5	Lesson 1 - Add by Counting On	To learn to add by counting on FROM the largest NUMBER.
	Lesson 2 - Add by Making 10	To add to NUMBERS by first MAKING 10 and then adding on the REMAinder.
	Lesson 3 - Add by Adding Ones	To add by separating the ones and ten. This enables pupils to add the SUM of the ones to the ten.
	Lesson 4 - Subtract by Counting Back	To learn how to subtract by counting back FROM the largest NUMBER.
	Lesson 5 - Subtract by Subtracting Ones	To learn how to subtract by subtracting FROM only the ones COLUMN.

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Year 1 Lesson Breakdown

Calculations: Addition and Subtraction within 20

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 7 - Addition and Subtraction within 20 Lessons 6-7	Lesson 6 - Subtract FROM 10	To subtract a certain AMOUNT of ones FROM 10 rather than FROM the ones, as there are not enough ones.
	Lesson 7 - Addition and Subtraction Facts	To go through NUMBER facts derived FROM addition and subtraction sentences.

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Year 1 Lesson Breakdown

Geometry - Properties of Shapes: Shapes and Patterns

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 8 - Shapes and Patterns	Lesson 1 - Recognising 3D Shapes	To recognise four basic 3D solid shapes: spheres, cubes, cuboids and PYRAMIDS.
	Lesson 2 - Recognising 2D Shapes	To recognise 2D shapes in the everyday ENVIRONMENT.

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Year 1 Lesson Breakdown

Measurement: Height and Length

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 9 - Height and Length	Lesson 1 – COMPARING Height and Length	To COMPARE height and length by using key TERMINOLOGY.
	Lesson 2 – Measuring Length Using Things	To be able to measure objects using other items, such as pencils or books

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Year 1 Lesson Breakdown

Number and Place Value: Numbers to 40

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 10 - Numbers to 40	Lesson 1 - Counting to 40	To use the making 10 strategy to count numbers above 10; to represent numbers on a number line.
	Lesson 2 - Writing Numbers to 40	To use the ten-frame method of organisation and place-value cards to assist pupils in writing numbers to 40; to encourage multiple ways of counting, including counting by 2, 5 and 10.
	Lesson 3 - Counting in Tens and Ones	To understand that digits represent tens and ones; to represent numbers using Base 10 materials and numbers.
	Lesson 4 - Comparing Numbers	To use place value to compare two or three numbers and determine which number is bigger/ smaller; to arrange three numbers in order of size.
	Lesson 5 - Finding How Much More	To compare numbers using number bonds, 100-squares and number lines to determine how much more/less.
	Lesson 6 - Making Number Patterns	To observe and use number patterns; to see number lines in conjunction with number squares in order to create visual proportionality.

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Year 1 Lesson Breakdown

Calculations: Addition and Subtraction Word Problems

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 11 - Addition and Subtraction Word Problems	Lesson 1 – Solving Word Problems	To decide whether addition or subtraction is the most appropriate operation; to use and apply number bonds and visual representations to solve word problems.
	Lesson 2 – Solving Word Problems	To use and apply concepts of how many more and how many fewer/less; to apply number bonds and the guess-and-check method to solve word problems.
	Lesson 3 – Solving Word Problems	To develop number sentences based on word problems; to improve the use of number bonds and one-to-one bar model representations to suit the question.
	Lesson 4 – Solving Word Problems	To use pictorial representations to help solve word problems; to choose the correct operation to solve a word problem.
	Lesson 5 – Solving Word Problems	To use visual representations and patterns to solve word problems; to develop precision in model drawing to recognise similarities and differences.
	Lesson 6 – Solving Word Problems	To apply addition and subtraction to multi-step word problems; to use number bonds to make 10 when adding.

Click to return to Year 1 at a glance

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Year 1 Lesson Breakdown

Vocabulary

	Reception / EYFS	Year 1
Multiplication & Division	group, lots of, share, equally, double, half	array, row, column, multiply, divide, equal groups, double, halve

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Year 1 Lesson Breakdown

Calculations: Multiplication

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 12 - Multiplication	Lesson 1 - Making Equal Groups	To identify equal groupings as the first step in MULTIPLYING; to reinforce the idea that the ARRANGEMENT of objects does not IMPACT on the NUMBER of objects.
	Lesson 2 - Adding Equal Groups	To understand we can count groups of the SAME quantity MORE efficiently; to find MULTIPLE ways of counting groups of the SAME quantity.
	Lesson 3 - Making Equal Rows	To organise objects into equal rows in order to begin counting equal NUMBERS efficiently.
	Lesson 4 - Making Doubles	To understand that doubling is creating an identical NUMBER to the one you started with; to understand that doubling is the SAME as saying two groups of the SAME AMOUNT.

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Year 1 Lesson Breakdown

Calculations: Multiplication

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 12 - Multiplication	Lesson 5 - Solving Word Problems	To solve word problems using equal groupings as the basis for multiplication.

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Year 1 Lesson Breakdown

Calculations: Division

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 13 - Division	Lesson 1 - Grouping Equally	To understand how to divide even NUMBERS into equal groups using concrete MATERIALS; to DETERMINE how MANY groups will be created FROM SHARING equally.
	Lesson 2 - Sharing Equally	To understand how to divide even NUMBERS equally into groups; to DETERMINE how MANY objects will be included in each group in order to share equally.

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Year 1 Lesson Breakdown

Fractions: Fractions

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 14 - Fractions	Lesson 1 - Making Halves	To split an object (shape) into two equal parts; to identify shapes that have been split into two equal parts.
	Lesson 2 - Making Quarters	To split an object (shape) into four equal parts; to identify shapes that have been split into four equal parts.
	Lesson 3 - Sharing and Grouping	To share and group objects into halves and quarters; to DETERMINE half of a NUMBER and a quarter of a NUMBER.

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Year 1 Lesson Breakdown

Number and Place Value: Numbers to 100

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 15 – Numbers to 100	Lesson 1 – Counting to 100	To count in sequences of 10 followed by counting ones; to increase confidence with number lines and Base 10 materials in order to count numbers to 100.
	Lesson 2 – Finding Tens and Ones	To understand the value of the tens and ones digits in a number; to use multiple methods of representing and constructing a number.
	Lesson 3 – Comparing Numbers	To review and extend skills and strategies related to number comparison; to place numbers in order from smallest to greatest and vice versa.
	Lesson 4 – Making Number Patterns	To see patterns of numbers when increasing or decreasing by 1, 2 or 5; to use a number line, a 100-chart and Base 10 materials to represent numbers.

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Year 1 Lesson Breakdown

Measurement: Time

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 16 - TIME	Lesson 1 – Telling TIME to the Hour	To develop FAMILIARITY with the analogue clock, including the MINUTE and hour hands; to tell TIME to the hour on an analogue clock.
	Lesson 2 – Telling TIME to the Half Hour	To IMPROVE FAMILIARITY with the analogue clock; to tell TIME to the half hour using the TERM 'half past.'
	Lesson 3 – Ordering Events	To sequence events in order of TIME; to use the TERMS 'next', 'before' and 'after' to describe the order of events.
	Lesson 5 – Comparing Time	To use the terms 'quicker', 'slower', 'earlier' and 'later' when comparing time.
	Lesson 6 – Using a Calendar	To learn the days of the week and the MONTHS of the year and to be able to put THEM in the correct order.

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Year 1 Lesson Breakdown

Measurement: Money

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 17 - Money	Lesson 1 - Recognising Coins	To recognise coins and DETERMINE their value using size, colour, MARKINGS and shape.
	Lesson 2 - Recognising Notes	To recognise notes and DETERMINE their value using colour and MARKINGS.

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Year 1 Lesson Breakdown

Measurement: Volume and Capacity

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 18 – VOLUME and Capacity	Lesson 1 – COMPARING VOLUME	To COMPARE VOLUME and capacity using the TERMS 'MORE than' and 'less than', 'full' and 'EMPTY'.
	Lesson 2 – Finding Capacity	To find the VOLUME and capacity of a container using non-standard ones.
	Lesson 3 – Describing Volume Using Half and a Quarter	To describe volume using the terms 'half' and 'quarter'.

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Year 1 Lesson Breakdown

Measurement: Mass

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 19 - Mass	Lesson 1 – COMPARING Mass	To COMPARE the MASS of objects using the TERMS 'heavy' and 'light', 'heavier than', 'lighter than' and 'as heavy as'.
	Lesson 3 – Finding and COMPARING Mass	To be able to find and COMPARE the MASS of a range of objects using non-standard units.

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Year 1 Lesson Breakdown

Geometry - Position and Direction: Space

Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 20 - Space	Lesson 1 – Describing Positions	To describe the position of objects in relation to one another using varied vocabulary.
	Lesson 2 – Describing MOVEMENTS	To describe MOVEMENTS of objects using varied language.
	Lesson 3 – Making Turns	To understand how to MAKE turns using MATHEMATICAL language and connect this knowledge to TIME.

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