Primary Maths Series, New Edition
Scheme of Work - Year 3

The New Edition of the **Maths — No Problem!** Primary Maths Series is fully aligned to the 2014 English national curriculum for maths and subsequent non-statutory guidance. This Scheme of Work outlines the content and topic order within Year 3 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

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Primary Maths Series - Year 3 at a Glance

	AUTUMN TERM	SPRING TERM	SUMMER TERM
Week 1	Number and Place Value: Numbers to 1000 LESSON BREAKDOWN	Measurement: Length LESSON BREAKDOWN	Statistics: Pictographs and Bar Graphs LESSON BREAKDOWN
Week 2			Fractions, Decimals and Percentages: Fractions LESSON BREAKDOWN
Week 3	Calculations: Addition and Subtraction LESSON BREAKDOWN	Measurement: Mass LESSON BREAKDOWN	
Week 4		Measurement: Volume LESSON BREAKDOWN	
Week 5			
Week 6		Mid-year (A) Tests and Remediation	
Week 7		Measurement: Money LESSON BREAKDOWN	Geometry – Properties of Shapes: Angles LESSON BREAKDOWN
Week 8	Calculations: Multiplication and Division LESSON BREAKDOWN		Geometry – Properties of Shapes: Lines and Shapes LESSON BREAKDOWN
Week 9			
Week 10		Measurement: Time LESSON BREAKDOWN	Measurement: Perimeter of Figures LESSON BREAKDOWN
Week 11	Calculations: Further Multiplication and Division LESSON BREAKDOWN		
Week 12			End-of-year (B) Tests and Remediation

Primary Maths Series - Year 3 Lesson Breakdown

Autumn Term – Textbook 3a		
Number and Place Value: Numbers to 1000		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 1 – Numbers to 1000	Lesson 1 – Counting in Hundreds	To learn to count in hundreds and understand the place value. Pupils will also understand how many hundreds are needed to make 1000.
	Lesson 2 – Counting in Hundreds, Tens and Ones	To compose and decompose numbers consisting of hundreds, tens and ones.
	Lesson 3 – Place Value	To understand the value of each digit in a 3-digit number.
	Lesson 4 – Comparing and Ordering Numbers	To be able to compare and order numbers.
	Lesson 5 – Counting in Fifties	To be able to count in fifties.
	Lesson 6 – Number Patterns	To recognise, describe and continue a number pattern.
	Lesson 7 – Number Patterns	To be able to recognise, describe and complete more complicated number patterns.
	Lesson 8 – Counting in Fours and Eights	To be able to count in fours and eights.
	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.

The lesson breakdown is provisional and may be subject to change.

Primary Maths Series - Year 3 Lesson Breakdown

Autumn Term – Textbook 3a		
Calculations: Addition and Subtraction		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 2 – Addition and Subtraction	Lesson 1 – Addition and Subtraction Facts	To understand the commutative law of addition and the corresponding addition and subtraction facts.
	Lesson 2 – Simple Adding	To add a 3-digit number to a 1-digit number with no regrouping or renaming.
	Lesson 3 – Simple Adding	To add a 3-digit number to a multiple of 10 (2-digit number) without regrouping or renaming.
	Lesson 4 – Simple Adding	To add multiples of 100 to a 3-digit number. without regrouping or renaming.
	Lesson 5 – Simple Adding	To add two 3-digit numbers without regrouping or renaming; introduction of the column method of addition.
	Lesson 6 – Adding with Renaming	To add a 3-digit number to a 1-digit number, with renaming.
	Lesson 7 – Adding with Renaming	To add with renaming in tens.
	Lesson 8 – Adding with Renaming	To add two 3-digit numbers with renaming the ones.
	Lesson 9 – Adding with Renaming	To add two 3-digit numbers with renaming the tens.
	Lesson 10 – Adding with Renaming	To add with renaming in ones and tens.
	Lesson 11 – Simple Subtracting	To do simple subtraction by taking away a 1-digit number from a 2-digit number without renaming.
	Lesson 12 – Simple Subtracting	To do simple subtraction by taking away a 1-digit number from a 3-digit number without renaming.
	Lesson 13 – Simple Subtracting	To subtract multiples of 10, up to 90, from a 3-digit number.
	Lesson 14 – Simple Subtracting	To subtract hundreds from a 3-digit number and to subtract multiples of 1 and 10 from a 3-digit number.
	Lesson 15 – Simple Subtracting	To understand simple subtraction of a 3-digit number by another 3-digit number using the column method.
	Lesson 16 – Subtracting with Renaming	To subtract with renaming in tens and ones.
	Lesson 17 – Subtracting with Renaming	To subtract with renaming hundreds.
	Lesson 18 – Subtracting with Renaming	To subtract with regrouping tens and hundreds.
	Lesson 19 – Subtracting with Renaming	To subtract a 3-digit number with zeros.
	Lesson 20 – Using Models	To solve addition and subtraction problems using the bar model.
	Lesson 21 – Using Models	To use the bar model to solve problems.
	Lesson 22 – Using Models	To solve complicated problems involving addition and subtraction using a comparative bar model heuristic.
	Lesson 23 – Using Models	To solve more complicated problems involving addition and subtraction using a comparative bar model heuristic.
	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.

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Primary Maths Series - Year 3 Lesson Breakdown

Autumn Term – Textbook 3a		
Calculations: Multiplication and Division		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 3 – Multiplication and Division	Lesson 1 – Multiplying by 3	To multiply by 3.
	Lesson 2 – Multiplying by 3	To multiply by 3 using relational properties.
	Lesson 3 – Multiplying by 4	To multiply by 4.
	Lesson 4 – Multiplying by 4	To multiply by 4.
	Lesson 5 – Multiplying by 4 and 8	To multiply by 4 and 8.
	Lesson 6 – Multiplying by 8	To multiply by 8; to use commutative law to multiply.
	Lesson 7 – Multiplying by 8	To multiply by 8.
	Lesson 8 – Dividing by 3	To divide by 3.
	Lesson 9 – Dividing by 4	To divide by 4.
	Lesson 10 – Multiplying and Dividing	To find relationships between multiplication and division.
	Lesson 11 – Dividing by 4 and 8	To divide by 4 and 8.
	Lesson 12 – Solving Word Problems	To solve word problems with multiplication.
	Lesson 13 – Solving Word Problems	To solve word problems that involve division.
	Lesson 14 – Solving Word Problems	To solve more word problems involving multiplication and division using the bar model heuristic.
	Lesson 15 – Solving Word Problems	To solve problems using a variety of strategies.
	Chapter consolidation	To practise various concepts covered in the chapter.

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Primary Maths Series - Year 3 Lesson Breakdown

Autumn Term – Textbook 3a		
Calculations: Further Multiplication and Division		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 4 – Further Multiplication and Division	Lesson 1 – Multiplying 2-Digit Numbers	To multiply multiples of 10 by a 1-digit number.
	Lesson 2 – Multiplying 2-Digit Numbers	To multiply any 2-digit number by a 1-digit number.
	Lesson 3 – Multiplying2-Digit Numbers	To multiply more 2-digit numbers.
	Lesson 4 – Multiplying with Regrouping	To multiply with regrouping.
	Lesson 5 – Multiplying with Regrouping	To multiply with regrouping.
	Lesson 6 – Dividing 2-Digit Numbers	To understand simple division of a 2-digit number by a 1-digit number.
	Lesson 7 – Dividing with Regrouping	To divide where there is a need to regroup.
	Lesson 8 – Dividing with Regrouping	To use long division to divide.
	Lesson 9 – Solving Word Problems	To solve word problems that involve multiplication.
	Lesson 10 – Solving Word Problems	To solve word problems involving division.
	Lesson 11 – Solving Word Problems	To solve more challenging word problems.
	Chapter consolidation	To practise various concepts covered in the chapter.

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Primary Maths Series - Year 3 Lesson Breakdown

Spring Term – Textbook 3a		
Measurement: Length		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 5 – Length	Lesson 1 – Writing Length in Metres and Centimetres	To use metres and centimetres to measure objects.
	Lesson 2 – Writing Length in Centimetres	To write length in centimetres only by converting metres to centimetres.
	Lesson 3 – Writing Length in Metres	To convert kilometres to metres.
	Lesson 4 – Writing Length in Kilometres and Metres	To convert length from metres to kilometres and metres.
	Lesson 5 – Comparing Length	To compare two lengths.
	Lesson 6 – Solving Word Problems	To solve measurement-related word problems.
	Lesson 7 – Solving Word Problems	To solve other word problems.
	Lesson 8 – Solving Word Problems	To solve word problems further, involving multiplication.
	Lesson 9 – Solving Word Problems	To solve word problems associated with length using division.
	Lesson 10 – Solving Word Problems	To solve more challenging word problems.
	Chapter consolidation	To practise various concepts covered in the chapter.

The lesson breakdown is provisional and may be subject to change.

Primary Maths Series - Year 3 Lesson Breakdown

Spring Term – Textbook 3a		
Measurement: Mass		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 6 – Mass	Lesson 1 – Reading Weighing Scales	To measure mass using weighing scales and compare the mass of objects using grams and kilograms.
	Lesson 2 – Reading Weighing Scales	To use weighing scales to measure mass when the mass is between multiples of 100 g.
	Lesson 3 – Reading Weighing Scales	To read values on a scale which are 1 kg or more.
	Lesson 4 – Reading Weighing Scales	To weigh heavier items where the markers in the scales represent 200 g each.
	Lesson 5 – Solving Word Problems	To solve word problems relating to mass with addition and subtraction.
	Lesson 6 – Solving Word Problems	To solve word problems relating to mass using multiplication.
	Lesson 7 – Solving Word Problems	To solve word problems relating to mass using division.
	Chapter consolidation	To practise various concepts covered in the chapter.

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Primary Maths Series - Year 3 Lesson Breakdown

Spring Term – Textbook 3a		
Measurement: Volume		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 7 – Volume	Lesson 1 – Measuring Volume in Millilitres	To measure volume in millilitres.
	Lesson 2 – Measuring Capacity in Millilitres	To measure capacity in millilitres.
	Lesson 3 – Measuring Volume in Millilitres and Litres	To measure volume using millilitres and litres.
	Lesson 4 – Measuring Capacity in Millilitres and Litres	To measure volume in millilitres and litres from a 'homemade' bottle with markings.
	Lesson 5 – Writing Volume in Litres and Millilitres	To measure volume using millilitres and litres in comparison to 1 l.
	Lesson 6 – Writing Capacity in Litres and Millilitres	To measure larger capacity in litres and millilitres.
	Lesson 7 – Solving Word Problems	To solve basic word problems related to volume.
	Lesson 8 – Solving Word Problems	To solve more word problems.
	Lesson 9 – Solving Word Problems	To solve word problems through division.
	Lesson 10 – Solving Word Problems	To solve two-step word problems.
	Chapter consolidation	To practise various concepts covered in the chapter.
Week 6	**Mid-Year (A) Tests and Remediation**	

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Primary Maths Series - Year 3 Lesson Breakdown

Spring Term – Textbook 3b		
Measurement: Money		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 8 – Money	Lesson 1 – Naming Amounts of Money	To consolidate previous learning about denominations of both notes and coins; to use simple addition to count amounts of money.
	Lesson 2 – Naming Amounts of Money	To name amounts of money including coins above 100p; to regroup and rename 100p as £1 as a key strategy.
	Lesson 3 – Showing Amounts of Money	To find multiple ways of showing an amount of money.
	Lesson 4 – Adding Money	To add money by adding together the pounds and pence separately.
	Lesson 5 – Adding Money	To add amounts of money together using different methods; to consolidate the addition of pounds and pence separately.
	Lesson 6 – Adding Money	To consolidate 'making a pound' as a strategy for adding amounts of money where the coins equal more than 99p.
	Lesson 7 – Adding Money	To learn the 'make a pound' strategy with number bond diagrams; to consolidate the strategies associated with the addition of money.
	Lesson 8 – Subtracting Money	To use multiple methods for subtracting amounts of money, including concrete materials and the column method.
	Lesson 9 – Subtracting Money	To use visual comparison to subtract amounts of money; to consolidate column subtraction where there is no regrouping of pence required.
	Lesson 10 – Subtracting Money	To use number bonds to subtract amounts of money; to develop number sense through decision making.
	Lesson 11 – Subtracting Money	To use number bonds as the primary strategy for subtracting amounts of money; to split pounds and pence simultaneously when subtracting amounts of money.
	Lesson 12 – Calculating Change	To learn the 'counting on' strategy for calculating change; to consolidate the number bonds strategy for calculating change.
	Lesson 13 – Solving Word Problems	To solve word problems involving money using bar modelling as the key strategy; to learn how to use comparative models where pupils are solving by seeing the smaller amount inside of the larger amount.
	Lesson 14 – Solving Word Problems	To use part-whole bar models to represent word problems; to apply addition and subtraction strategies to solve word problems.
	Chapter consolidation	To practise various concepts covered in the chapter.

The lesson breakdown is provisional and may be subject to change.

Primary Maths Series - Year 3 Lesson Breakdown

Spring Term – Textbook 3b		
Measurement: Time		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 9 – Time	Lesson 1 – Telling the Time	To use the terms 'a.m.' and 'p.m.' correctly to identify morning or afternoon/evening.
	Lesson 2 – Telling the Time	To learn to tell time to the minute; to understand the relationship between the minute hand and hour hand.
	Lesson 3 – Telling the Time	To consolidate and apply a variety of vocabulary used to express the time.
	Lesson 4 – Telling the Time	To compare analogue and digital time; to represent time using both analogue and digital methods.
	Lesson 5 – Telling the Time	To tell time before the hour using the hour and minute hands.
	Lesson 6 – Telling the Time	To learn to tell time using 24-hour notation; to use analogue time and 24-hour notation interchangeably.
	Lesson 7 – Telling the Time	To tell the time on an analogue clock using Roman numerals.
	Lesson 8 – Measuring and Comparing Time in Seconds	To measure time in seconds and milliseconds.
	Lesson 9 – Measuring Time in Seconds	To measure time in seconds using a stopwatch; to consolidate previous learning about seconds.
	Lesson 10 – Measuring Time in Seconds	To consolidate measuring time in seconds; to conduct a time experiment using seconds.
	Lesson 11 – Measuring Time in Hours	To measure time in hours using an analogue clock.
	Lesson 12 – Measuring Time in Hours	To consolidate the measurement of time in hours.
	Lesson 13 – Measuring Time in Hours	To measure time in hours using analogue clocks and timelines; to count backwards in time by the hour.
	Lesson 14 – Measuring Time in Minutes	To measure the passage of time in minutes using an analogue clock and a timeline.
	Lesson 15 – Measuring Time in Minutes	To measure time to the minute when it crosses into the next hour; to use number bonds to calculate the passage of time.
	Lesson 16 – Measuring Time in Minutes	To measure time in minutes, counting backwards to determine the starting point; to use number bonds and timelines to calculate the passage of time.
	Lesson 17 – Changing Minutes to Seconds	To determine how many seconds are in a minute; to use multiplication to calculate the number of seconds in a number of minutes.
	Lesson 18 – Changing Seconds to Minutes	To convert seconds into minutes using number bonds.
	Lesson 19 – Finding Number of Days	To calculate the number of days in a month; to learn which months have 31, 30 and 28/29 days.
	Lesson 20 – Finding Number of Days	To find the duration of days for different activities.
	Chapter consolidation	To practise various concepts covered in the chapter.

Primary Maths Series - Year 3 Lesson Breakdown

Summer Term – Textbook 3b		
Statistics: Pictograms and Bar Graphs		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 10 – Pictograms and Bar Graphs	Lesson 1 – Drawing Pictograms	To construct picture graphs from a set of data; to present data with pictures that represent more than one item.
	Lesson 2 – Drawing Bar Graphs	To construct bar graphs from a set of data; to use proportion to reflect precise difference in quantity.
	Lesson 3 – Reading Bar Graphs	To read and interpret information from a bar graph; to use and understand vocabulary related to bar graphs.
	Lesson 4 – Reading Bar Graphs	To read bar graphs where the scale is not a multiple of all quantities measured.
	Lesson 5 – Reading Bar Graphs	To read bar graphs where the scale is made up of larger increments.
	Chapter consolidation	To practise various concepts covered in the chapter.

The lesson breakdown is provisional and may be subject to change.

Primary Maths Series - Year 3 Lesson Breakdown

Summer Term – Textbook 3b		
Fractions, Decimals and Percentages: Fractions		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 11 – Fractions	Lesson 1 – Counting in Tenths	To count in tenths; to recognise tenths and be able to determine how many tenths are shaded.
	Lesson 2 – Making Number Pairs	To make number pairs to create 1; to combine fractions to make 1.
	Lesson 3 – Adding Fractions	To add fractions with the same denominator.
	Lesson 4 – Adding Fractions	To consolidate adding fractions with the same name; to learn how fractions can add to 1.
	Lesson 5 – Subtracting Fractions	To subtract fractions with the same name.
	Lesson 6 – Finding Equivalent Fractions	To find equivalent fractions through paper folding and shading.
	Lesson 7 – Finding Equivalent Fractions	To find equivalent fractions using paper folding and shading.
	Lesson 8 – Finding Equivalent Fractions	To find equivalent fractions; to place fractions on a number line.
	Lesson 9 – Finding Equivalent Fractions	To find fractions equivalent to $^1/_2$; to use pictorial representations and multiplication to show equivalence.
	Lesson 10 – Finding Equivalent Fractions	To find equivalent fractions using concrete objects and pictorial representations.
	Lesson 11 – Finding Equivalent Fractions	To find equivalent fractions using pictorial representations and multiplication.
	Lesson 12 – Finding the Simplest Fraction	To find the simplest fraction using visualisation and concrete materials.
	Lesson 13 – Finding the Simplest Fraction	To find the simplest fraction using pictorial representations and division.
	Lesson 14 – Finding Equivalent Fractions	To find equivalent fractions using multiplication and division; to determine whether or not a fraction is equivalent.
	Lesson 15 – Comparing Fractions	To compare the fractions $^1/_2$ and $^1/_4$ using pictorial representations and concrete materials.

The lesson breakdown is provisional and may be subject to change.

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Primary Maths Series - Year 3 Lesson Breakdown

Summer Term – Textbook 3b		
Fractions, Decimals and Percentages: Fractions (continued)		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 11 – Fractions	Lesson 16 – Comparing Fractions	To compare fractions using pictorial representations; to understand the numerical nature of the numerator.
	Lesson 17 – Comparing Fractions	To compare fractions with different names (denominators) using pictorial representations and number lines.
	Lesson 18 – Adding Fractions	To add fractions using pictorial representations; to simplify fractions after adding them.
	Lesson 19 – Subtracting Fractions	To subtract fractions using pictorial representations; to simplify fractions after they have been subtracted.
	Lesson 20 – Subtracting Fractions	To subtract fractions from a whole amount; to use pictorial representations of whole numbers to help subtract fractions.
	Lesson 21 – Finding Part of a Set	To determine a fraction of a whole number using pictorial representations.
	Lesson 22 – Finding Part of a Set	To find a fraction of a whole number using pictorial representations, multiplication and concrete objects.
	Lesson 23 – Finding the Fraction of a Number	To consolidate finding the fraction of a whole number.
	Lesson 24 – Sharing One	To divide 1 between more than 1; to share 1 whole equally between more than 1.
	Lesson 25 – Sharing More Than 1	To share more than 1 using pictorial representations and division.
	Lesson 26 – Sharing More Than 1	To share more than 1; to recognise a whole and its parts using pictures and number lines.
	Lesson 27 – Sharing More Than 1	To show more than 1 whole after sharing a number of items equally; to use pictorial representations to share whole items equally.
	Lesson 28 – Solving Word Problems	To apply bar modelling to represent fractions in word problems; to solve word problems using pictorial representations and abstract methods.
	Lesson 29 – Solving Word Problems	To use bar models to solve word problems involving the fraction $1/2$.
	Lesson 30 – Solving Word Problems	To use bar models to solve word problems involving the fractions $1/3$ and $1/5$.
	Chapter consolidation	To practise various concepts covered in the chapter.

The lesson breakdown is provisional and may be subject to change.

Primary Maths Series - Year 3 Lesson Breakdown

Summer Term – Textbook 3b		
Geometry – Properties of Shapes: Angles		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 12 – Angles	Lesson 1 – Making Angles	To learn what makes an angle and identify angles in objects.
	Lesson 2 – Making Angles	To see angles on the inside and outside of objects; to find angles in letters.
	Lesson 3 – Finding Angles in Shapes	To find angles in shapes; to determine the relationship between the number of angles in a shape and the number of sides.
	Lesson 4 – Finding Right Angles	To find right angles in everyday objects; to understand what makes a right angle.
	Lesson 5 – Comparing Angles	To compare angles using the terms 'right' angle and 'acute' angle; to identify acute angles as smaller angles than right angles.
	Lesson 6 – Comparing Angles	To identify right angles and acute angles; to recognise and define an obtuse angle.
	Lesson 7 – Making Turns	To make turns using angles vocabulary; to align the language of angles and fractions to describe turns.
	Chapter consolidation	To practise various concepts covered in the chapter.

The lesson breakdown is provisional and may be subject to change.

Primary Maths Series - Year 3 Lesson Breakdown

Summer Term – Textbook 3b		
Geometry – Properties of Shapes: Lines and Shapes		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 13 – Lines and Shapes	Lesson 1 – Identifying Perpendicular Lines	To identify, define and create perpendicular lines; to find perpendicular lines in everyday objects.
	Lesson 2 – Identifying Parallel Lines	To identify, define and create parallel lines; to find parallel lines in everyday objects.
	Lesson 3 – Finding Vertical and Horizontal Lines	To define and identify vertical and horizontal lines; to find vertical and horizontal lines in everyday life.
	Lesson 4 – Describing Two-Dimensional Shapes	To describe 2D shapes using familiar vocabulary about lines and angles.
	Lesson 5 – Drawing Two-Dimensional Shapes	To draw 2D shapes in proportion to their size; to identify how big a shape is.
	Lesson 6 – Making Three-Dimensional Shapes	To create 3D shapes out of nets; to use vocabulary related to 3D shapes and their properties.
	Lesson 7 – Making Three-Dimensional Shapes	To construct 3D shapes out of clay and discuss their properties.
	Lesson 8 – Describing Three-Dimensional Shapes	To describe 3D shapes using familiar terms; to identify properties of 3D shapes.
	Chapter consolidation	To practise various concepts covered in the chapter.

The lesson breakdown is provisional and may be subject to change.

Primary Maths Series - Year 3 Lesson Breakdown

Summer Term – Textbook 3b		
Measurement: Perimeter of Figures		
Maths — No Problem! Book Reference	**Lesson Name**	**Lesson Objective**
Chapter 14 – Perimeter of Figures	Lesson 1 – Measuring Total Length Around a Shape	To determine the perimeter of basic shapes; to use grid paper to measure the perimeter of a shape.
	Lesson 2 – Measuring Perimeter	To measure the perimeter of a shape using 1 cm grid paper.
	Lesson 3 – Measuring Perimeter	To determine the perimeter of different shapes; to create shapes with a specific perimeter.
	Lesson 4 – Measuring Perimeter	To find the perimeter of shapes using 2 cm grids; to identify mistakes in others' work.
	Lesson 5 – Measuring Perimeter	To calculate the perimeter of a shape using a ruler to measure the side lengths.
	Lesson 6 – Calculating Perimeter	To calculate the perimeter of a rectangle using multiplication and addition.
	Lesson 7 – Calculating Perimeter	To calculate the perimeter of a square using addition and multiplication; to calculate the perimeter of rectangles and irregular shapes by adding up the length of each side.
	Lesson 8 – Calculating Perimeter	To consolidate learning about perimeter using practical word problems; to calculate the perimeter of a rectangle using properties of shapes.
	Lesson 9 – Calculating Perimeter	To calculate the perimeter of a square and a rectangle using information previously learned about the properties of shapes.
	Lesson 10 – Calculating Perimeter	To calculate the perimeter of a rectangle when a square piece has been removed; to determine the lengths of sides that are not marked based on information about the piece removed.
	Chapter consolidation	To practise various concepts covered in the chapter.
Week 12	**End-Of-Year (B) Tests and Remediation**	

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