



Class 2

Year 1 and 2 Maths Curriculum

Taken from the Year 2 Maths – No Problem Scheme



Year 1 and 2 Maths Curriculum Overview

	Autumn Term	Spring Term	Summer Term
Week 1	Baseline Assessments	Statistics: Picture Graphs	Measurement: Time
Week 2	Number and Place Value: Numbers to 100	Calculations: More Word Problems	Measurement: Volume
Week 3		Measurement: Money	Review & Revision
Week 4	Calculations: Addition & Subtraction		Review & Revision
Week 5		SATs/Assessment Week	
Week 6		Calculations: Multiplication of 2, 5 and 10	Geometry: Properties of Shapes – 2D Shapes
Week 7	Geometry: Properties of Shapes – 3D Shapes		
Week 8	Calculations: Multiplication & Division of 2, 5 and 10	Assessment Week	
Week 9		Fractions: Fractions	
Week 10	Assessment Week		
Week 11	Measurement: Length	Measurement: Time	
Week 12			
Week 13	Measurement: Mass		
Week 14	Measurement: Temperature		
Week 15	Christmas and Revision		



Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 1 - Number and Place Value – Numbers to 100

Lesson	Focus	Lesson Objective	National Curriculum Link
1	Counting to 100	To count numbers up to 100 using concrete objects: counting up by ones and tens.	Count in steps of 2, 3 and 5 from 0, and in tens from any number, forwards and backwards. Read and write numbers to at least 100 in numerals and in words.
2	Place Value	To understand each digit in a number has its own value.	To be able to know the place value of each digit in a 2-digit number.
3	Comparing Numbers	To be able to compare numbers using place-value knowledge gained from previous lessons.	To be able to compare numbers from 0 to 100 using $<$, $>$ and $=$ signs.



4	Number Bonds	To use the number bond strategy to deepen understanding of place value.	To deepen understanding of the place value of each digit in 2-digit numbers using number bonds.
5	Number Patterns	To count in ones and tens; to introduce boundary crossing using tens and ones.	To be able to count in steps of 2 and 10 from any number, forwards and backwards.
6	Number Patterns	To recognise and describe patterns with more complex numbers, in particular 3 and 5.	Count in steps of 2, 3 and 5 from 0, and in tens from any number, forwards and backwards. Identify, represent and estimate numbers using different representations, including the number line.



7	Chapter consolidation	To use place-value knowledge to think about the effects of each digit in a number.	
8	Additional consolidation day	To be used if lessons take longer than expected or a topic needs to be revisited.	



Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 2 – Addition and Subtraction

Lesson	Focus	Lesson Objective	National Curriculum Link
1	<u>Simple Adding</u>	To be able to add a 2-digit number and ones, without renaming.	Pupils can add numbers using concrete objects, pictorial representations and mentally, including a 2-digit number and ones
2	<u>Simple Adding</u>	To be able to add tens by recognising its relationship to adding ones.	Add and subtract numbers using concrete objects, pictorial representations and mentally, including a 2-digit number and ones, and a 2-digit number and tens.
3	<u>Simple Adding</u>	To be able to add a 2-digit number and tens, without regrouping.	Add and subtract numbers using concrete objects, pictorial representations and mentally, including a 2-digit number and ones, and a 2-digit number and tens



4	<u>Simple Adding</u>	To be able to add two 2-digit numbers without renaming.	Solve problems with addition using concrete objects and pictorial representations, including those involving numbers, quantities and measures. Solve problems with addition applying increasing knowledge of mental and written methods.
5	<u>Adding with Renaming</u>	To add 1-digit numbers to a 2-digit number resulting in renaming of ones.	Solve problems with addition using concrete objects and pictorial representations, including those involving numbers, quantities and measures. Recall and use addition facts to 20 fluently, and derive and use related facts up to 100.
6	<u>Adding with Renaming</u>	To be able to add two 2-digit numbers, with renaming of ones.	Recall and use addition facts to 20 fluently, and derive and use related facts up to 100. Add numbers using concrete objects, pictorial representations and mentally, including: two 2-digit numbers.



7	Simple Subtracting	To be able to subtract ones from a 2-digit number without renaming.	Subtract numbers using concrete objects, pictorial representations and mentally, including a 2-digit number and ones.
8	Simple Subtracting	To be able to subtract tens by recognising its relationship to subtracting ones.	Subtract numbers using concrete objects, pictorial representations and mentally, including a 2-digit number and tens.
9	Simple Subtracting	To be able to subtract tens from a 2-digit number without renaming.	Solve problems with subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
10	Simple Subtracting	To be able to subtract a 2-digit number from another 2-digit number without renaming.	Subtract numbers using concrete objects, pictorial representations and mentally, including two 2-digit numbers.



11	Subtracting with Renaming	To be able to subtract a 1-digit number from a 2-digit number with renaming.	Recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100.
12	Subtracting with Renaming	To be able to subtract a 2-digit number from another 2-digit number with renaming.	Subtract numbers using concrete objects, pictorial representations and mentally, including two 2-digit numbers. Solve problems with subtraction applying an increasing knowledge of mental and written methods.
13	Addition of Three Numbers	To be able to add three single-digit numbers.	Add numbers using concrete objects, pictorial representations and mentally, including adding three single-digit numbers.
14	Chapter Consolidation	To be able to apply knowledge of addition and subtraction to solve problems.	



Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 3 Multiplication of 2s, 5s and 10s.

Lesson	Focus	Lesson Objective	National Curriculum Link
1	Multiplication as Equal Groups	To be able to understand that multiplication is the same as repeated addition of equal groups.	Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (\times) and equals (=) signs. Solve problems involving multiplication using materials, arrays, repeated addition, mental methods and multiplication facts, including problems in contexts.
2	2 Times Table	To be able to understand and learn the 2 times table.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.
3	2 Times Table	To be able to recall and use the 2 times table.	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.



4	5 Times Table	To be able to understand and learn the 5 times table.	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables. Solve problems involving multiplication using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.
5	5 Times Table	To be able to recall and use the 5 times table.	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables.
6	10 Times Table	To be able to understand and learn the 10 times table.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.



7	10 Times Table	To be able to recall and use the 10 times table.	Show that multiplication of two numbers can be done in any order (commutative).
8	Multiplying by 2, 5 and 10	To be able to use knowledge of the 2, 5 and 10 times tables to explore commutative law.	Show that multiplication of two numbers can be done in any order (commutative).
9	Multiplying by 2, 5 and 10	To be able to use knowledge of the 2, 5 and 10 times tables to further investigate commutative law.	Show that multiplication of two numbers can be done in any order (commutative).
10	Solving Word Problems	To be able to solve word problems using multiplication facts from the 2, 5 and 10 times tables.	Solve problems involving multiplication using materials, arrays, repeated addition, mental methods and multiplication facts, including problems in contexts.



11	Chapter Consolidation	To be able to apply knowledge of multiplication to solve problems.	
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Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 3 Multiplication and Division of 2s, 5s and 10s.

Lesson	Focus	Lesson Objective	National Curriculum Link
1	Grouping	To be able to understand that grouping is a way of dividing and use the division (\div) and equals (=) signs.	Calculate mathematical statements for division within the multiplication tables and write them using the division (\div) and equals (=) signs. Recall and use division facts for the 2, 5 and 10 multiplication tables.
2	Sharing	To be able to understand that sharing is a way of dividing and discover the relationship between division and multiplication.	Solve problems involving division using materials, arrays, repeated addition, mental methods and division facts, including problems in contexts.
3	Dividing by 2	To be able to use division facts for the 2 times table and relate them to multiplication facts.	Recall and use division facts for the 2, 5 and 10 multiplication tables. Calculate mathematical statements for division within the multiplication tables and write them using the division (\div) and equals (=) signs.



4	Dividing by 5	To be able to divide by 5 and identify links with multiplying by 5. To be able to use division facts for the 5 times table and relate them to multiplication facts.	Recall and use division facts for the 2, 5 and 10 multiplication tables. Calculate mathematical statements for division within the multiplication tables and write them using the division (\div) and equals (=) signs.
5	Dividing by 10	To be able to use division facts for the 10 times table and relate them to multiplication facts.	Recall and use division facts for the 2, 5 and 10 multiplication tables.
6	Multiplication and Division		Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.



7	Solving Word Problems	To be able to solve word problems involving division within the division facts of the 2, 5 and 10 times table.	Solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.
8	Odd and Even Numbers	To be able to recognise and understand odd and even numbers.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
9	Chapter Consolidation	To be able to apply knowledge of multiplication and division to solve problems.	



Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 5 – Length

Lesson	Focus	Lesson Objective	National Curriculum Link
1	Measuring Length in Metres	To be able to measure length in metres.	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers. Compare and order lengths.
2	Measuring Length in Centimetres	To be able to measure length in centimetres.	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers. Compare and order lengths.
3	Comparing Length in Metres	To be able to compare and order lengths using $>$, $<$ and $=$.	Compare and order lengths and record the results using $>$, $<$ and $=$.



4	Comparing Length in Centimetres	To be able to compare different lengths using centimetres as the unit of measure.	Compare and order lengths.
5	Comparing the Length of Lines	To be able to measure and compare the lengths of lines in centimetres.	Compare and order lengths and record the results using $>$, $<$ and $=$.
6	Solving Word Problems	To be able to solve word problems involving addition and subtraction of lengths and heights.	Use appropriate standard units to estimate and measure length/height in any direction.



7	Solving Word Problems	To be able to solve word problems involving multiplication of lengths and heights.	Use appropriate standard units to estimate and measure length/height in any direction.
8	Solving Word Problems	To be able to solve word problems involving division of lengths.	Use appropriate standard units to estimate and measure length/height in any direction.
9	Chapter Consolidation	To be able to apply knowledge of lengths to solve word problems.	



Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 6 – Mass

Lesson	Focus	Lesson Objective	National Curriculum Link
1	Measuring Mass in Kilograms	To be able to measure mass in kilograms.	Choose and use appropriate standard units to estimate and measure mass (kg).
2	Measuring Mass in Grams	To be able to measure mass in grams.	To be able to measure mass accurately in grams using weighing scales.
3	Measuring Mass in Grams	To be able to measure mass accurately in grams using weighing scales.	Choose and use appropriate standard units to estimate and measure mass (kg, g) to the nearest appropriate unit, using scales.



4	Comparing Masses of Two Objects	To be able to compare the mass of two different objects accurately.	Compare and order mass and record the results using $>$, $<$ and $=$.
5	Comparing the Mass of Three Objects	To be able to compare the mass of three objects and use the appropriate vocabulary.	Compare and order mass.
6	Solving Word Problems	To be able to solve word problems involving the addition and subtraction of mass.	Compare and order mass.



7	Solving More Word Problems	To be able to solve word problems involving the multiplication of division of mass.	Compare and order mass.
8	Chapter Consolidation	To be able to apply knowledge of mass to solve problems.	



Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 7 – Temperature

Lesson	Focus	Lesson Objective	National Curriculum Link
1	Reading Temperature	To be able to accurately read temperature in Celsius.	Choose and use appropriate standard units to estimate and measure temperature ($^{\circ}\text{C}$) to the nearest appropriate unit, using thermometers.
2	Estimating temperature	To be able to estimate temperature and read thermometers to confirm the estimate.	Choose and use appropriate standard units to estimate and measure temperature ($^{\circ}\text{C}$) to the nearest appropriate unit, using thermometers.
3	Chapter Consolidation	To be able to apply knowledge of temperature to solve problems.	



Year 1 and 2 Maths Unit Overview – Book 2A – Chapter 8 – Picture Graphs

Lesson	Focus	Lesson Objective	National Curriculum Link
1	Reading Picture Graphs	To be able to read and interpret a picture graph with a scale of 1:1.	Interpret and construct simple pictograms.
2	Reading Picture Graphs	To be able to read and interpret a picture graph with confidence.	Interpret and construct simple pictograms and tally charts. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
3	Reading Picture Graphs	To be able to read and interpret a picture graph with a scale of 1:2.	Interpret and construct simple pictograms, tally charts and tables. Ask and answer questions about totalling and comparing categorical data.



4	Reading Picture Graphs	To be able to read and interpret a picture graph with a scale of 1:5.	Interpret and construct simple pictograms, tally charts and tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
5	Reading Picture Graphs	To be able to read and interpret a picture graph with a scale of 1:10.	Interpret and construct simple pictograms, tally charts and tables. Ask and answer questions about totalling and comparing categorical data.
6	Chapter Consolidation	To be able to apply knowledge of picture graphs to solve problems.	