

# Year 2 maths overview

<b>Autumn 1: 38 lessons</b>				
<b>1 Chapter 1: Numbers to 100</b>				
<b>INSET day</b>	<b>INSET day</b>	<b>Lesson 1: Counting to 100 over 2 days</b> To count numbers up to 100 using concrete objects: counting up by ones and tens.	<b>Lesson 1: Counting to 100 over 2 days</b> <i>NB: Teach how to use orange books.</i>	<b>Lesson 2: Place Value over 2 days</b> To understand each digit in a number has its own value.
<b>2 Chapter 1: Numbers to 100</b>				
<b>Lesson 2: Place Value over 2 days</b>	<b>Lesson 3: Comparing Numbers</b> To compare numbers using place-value knowledge from previous lessons.	<b>Lesson 4: Number Bonds</b> To use the number bond strategy to deepen understanding of place value.	<b>Lesson 5: Number Patterns over 2 days</b> To count in ones and tens; to introduce boundary crossing using tens and ones.	<b>Lesson 5: Number Patterns over 2 days</b>
<b>3 Chapter 1: Numbers to 100</b>			<b>Chapter 2: Addition and subtraction</b>	
<b>Lesson 6: Number Patterns over 2 days</b> To recognise and describe patterns with more complex numbers, in particular 3 and 5.	<b>Lesson 6: Number Patterns over 2 days</b>	<b>Chapter 1 review and consolidation</b> To practise various concepts covered in the chapter	<b>Lesson 1: Simple Adding</b> To add a single-digit number to a double-digit number without regrouping the ones.	<b>Lesson 2: Simple Adding</b> To add tens by recognising its relationship to adding ones.
<b>4 Chapter 2: Addition and subtraction</b>				
<b>Lesson 3: Simple Adding</b> To add double-digit numbers where one is a multiple of 10.	<b>Lesson 4: Simple Adding over 2 days</b> To add with tens & ones where ones are both more than 0. <i>NB: When partitioning relate changes in place value to place/column.</i>	<b>Lesson 4: Simple Adding over 2 days</b>	<b>Lesson 5: Adding with Renaming over 2 days</b> To add single-digit numbers to a double-digit number resulting in renaming of ones.	<b>Lesson 5: Adding with Renaming over 2 days</b>
<b>5 Chapter 2: Addition and subtraction</b>				
<b>Lesson 6: Adding with Renaming over 2 days</b> To add 2 double-digit numbers where renaming is expected.	<b>Lesson 6: Adding with Renaming over 2 days</b>	<b>Lesson 7: Simple Subtracting</b> To subtract ones from a 2-digit number. <i>NB: When partitioning, relate the digits value to its place/column. Subtraction modelled by teacher-no activity time</i>	<b>Lesson 8: Simple Subtracting</b> To subtract 2-digit multiples of 10 from 2-digit multiples of 10.	<b>Lesson 9: Simple Subtracting</b> To subtract tens from a 2-digit number with the ones being more than zero.
<b>6 Chapter 2: Addition and subtraction</b>				
<b>Lesson 10: Simple Subtracting over 2 days</b> To subtract a 2-digit number by another 2-digit number.	<b>Lesson 10: Simple Subtracting over 2 days</b>	<b>Lesson 11: Subtraction from Multiples of 10 over 2 days</b> To subtract within 100 by applying related 1-digit addition and subtraction facts. <i>NB: When partitioning, relate the digits value to its place/column.</i>	<b>Lesson 11: Subtraction from Multiples of 10 over 2 days</b>	<b>Lesson 12: Subtracting with Renaming over 2 days</b> To subtract a 2-digit number by a 1-digit number with renaming.
<b>7 Chapter 2: Addition and subtraction</b>				
<b>Lesson 12: Subtracting with Renaming over 2 days</b>	<b>Lesson 13: Subtracting with Renaming over 2 days</b> To subtract a 2-digit number from another 2-digit number where renaming has to occur. <i>NB: When partitioning, relate the digits value to its place/column.</i>	<b>Lesson 13: Subtracting with Renaming over 2 days</b>	<b>Lesson 14: Addition of Three Numbers</b> To add three single-digit numbers.	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.
<b>8 Chapter 3: Multiplication of 2, 5 and 10</b>				
<b>Chapter 2 review and consolidation</b> To practise various concepts covered in the chapter	<b>Lesson 1: Multiplication as Equal Groups</b> To realise that multiplication is the same as repeated addition with equal groups.	<b>Lesson 2: 2 Times Table</b> To focus on understanding and learning the 2 times table.	<b>Lesson 3: 2 Times Table</b> To use concrete materials and pictorial representations to multiply by 2.	<b>Lesson 4: 5 Times Table</b> To cover the basics of the 5 times table and to highlight multiplication visually as equal groups.
<b>Half term break (Homework: to tell the time to o'clock and half/quarter past (analogue))</b>				

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<b>Autumn 2: 34 lessons</b>				
<b>1 Chapter 3: Multiplication of 2, 5 and 10</b>				
<b>INSET day</b>	<b>Lesson 5: 5 Times Table</b> Recall and use the 5 times table.	<b>Lesson 6: 10 Times Table</b> To introduce the 10 times table by focusing on the numbers found in the 10 times table.	<b>Lesson 7: 10 Times Table</b> To look at the 10 times table in more detail by looking at patterns and relationships.	<b>Lesson 8: Multiplying by 2, 5 and 10</b> To investigate links between 2, 5 & 10 times tables. To understand commutative law.
<b>2 Chapter 3: Multiplication of 2, 5 and 10</b>				
<b>Lesson 9: Multiplying by 2, 5 and 10</b> To use knowledge of the 2, 5 and 10 times tables to further investigate commutative law.	<b>Lesson 10: Solving Word Problems</b> To use the 2, 5 and 10 times tables to solve word problems.	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Chapter 3 review and consolidation</b> To practise various concepts covered in the chapter	<b>ADDITIONAL LESSON: Embed addition and subtracting with renaming</b> Revisit responding to feedback, using a ruler presentation expectation, digit formation, lesson expectations, etc
<b>3 Chapter 4: Multiplication and Division of 2, 5 and 10</b>				
<b>AUTUMN TEST: arithmetic</b> <i>(according to school timetable)</i>	<b>AUTUMN TEST: reasoning</b> <i>(according to school timetable)</i>	<b>Lesson 1: Grouping</b> To understand that grouping is a way of dividing.	<b>Lesson 2: Sharing</b> To be able to divide by sharing an amount.	<b>Lesson 3: Dividing by 2</b> To divide by 2. The two strategies used here are splitting into groups of x and splitting into equal groups of many.
<b>4 Chapter 4: Multiplication and Division of 2, 5 and 10</b>				
<b>Lesson 4: Dividing by 5</b> To be able to divide by 5 and identify links with multiplying by 5.	<b>Lesson 5: Dividing by 10</b> To be able to divide by 10 and identify links with multiplying by 10.	<b>Lesson 6: Multiplication and Division</b> Use multiplication and division skills to identify family facts in a number sentence.	<b>Lesson 7: Solving Word Problems over 2 days</b> Understand and solve word problems which require the use of the multiplication and division skills in this chapter.	<b>Lesson 7: Solving Word Problems over 2 days</b>
<b>5</b>			<b>Chapter 5: Length</b>	
<b>Lesson 8: Odd and Even Numbers</b> To be able to link whether odd or even numbers can be divisible by 2, 5 or 10.	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Chapter 4 review and consolidation</b> To practise various concepts covered in the chapter.	<b>Lesson 1: Measuring Length in Metres</b> To measure length in metres.	<b>Lesson 2: Measuring Length in Centimetres</b> To measure length in centimetres.
<b>6 Chapter 5: Length (no lesson 5 unless time permits)</b>				
<b>Lesson 3: Comparing Length in Metres</b> To be able to compare length for objects using 'greater than' and 'less than' symbols.	<b>Lesson 4: Comparing Length in Centimetres</b> To be able to compare different lengths using centimetres as the unit of measure.	<b>Lesson 6: Solving Word Problems over 2 days</b> To be able to solve problems involving measurement in the context of word problems.	<b>Lesson 6: Solving Word Problems over 2 days</b>	<b>Lesson 7: Solving Word Problems</b> To be able to solve addition and multiplication word problems involving measurement.
<b>7 Chapter 5: Length</b>				
<b>Lesson 8: Solving Word Problems over 2 days</b> To be able to solve addition and division word problems involving measurement.	<b>Lesson 8: Solving Word Problems over 2 days</b>	<b>Chapter 5 review and consolidation</b> To practise various concepts covered in the chapter.	<b>ADDITIONAL LESSON: Relationship between addition and subtraction &amp; inverse (fact families)</b>	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.
<b>Christmas holiday break</b>				

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<b>Spring 1: 29 lessons</b>				
<b>1</b>		<b>Chapter 6: Mass</b>		
<b>INSET day</b>	<b>ADDITIONAL LESSON: Missing numbers</b>	<b>ADDITIONAL LESSON: Revisit formal addition and/or subtraction with renaming</b>	<b>Lesson 1: Measuring Mass in Kilograms</b> To understand that mass is measured in kilograms and by using weighing scales.	<b>Lesson 2 : Measuring Mass in Grams</b> To measure mass in grams and to understand that it is a smaller unit of measure than kilograms.
<b>2 Chapter 6: Mass (no lesson 5 unless time permits)</b>				
<b>Lesson 3: Measuring Mass in Grams</b> To measure mass accurately in grams using weighing scales.	<b>Lesson 4: Comparing Masses of Two Objects</b> To compare the mass of two different objects accurately.	<b>Lesson 6: Solving Word Problems</b> To solve word problems in the context of mass.	<b>Lesson 7: Solving More Word Problems over 2 days</b> To solve word problems involving mass.	<b>Lesson 7: Solving More Word Problems over 2 days</b>
<b>3</b>		<b>Chapter 7: Temperature</b>		
<b>Chapter 6 review and consolidation</b> To practise various concepts covered in the chapter.	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited. Renaming – addition & subtraction	<b>Lesson 1: Reading Temperature</b> To accurately read temperature in Celsius.	<b>Lesson 2: Estimating temperature</b> To estimate temperature and to read thermometers to confirm the estimate.	<b>Chapter 7 review and consolidation</b> To practise various concepts covered in the chapter.
<b>4 Chapter 8: Pictograms</b>				
<b>Lesson 1: Reading Pictograms</b> To be able to read a picture graph with confidence.	<b>Lesson 2: Reading Pictograms</b> To be able to read and interpret a picture graph with confidence.	<b>Lesson 3: Reading Pictograms</b> To read and interpret a picture graph where the value of the picture can represent more than 1.	<b>Lesson 4: Reading Pictograms</b> To read and interpret a picture graph where the value of the picture can represent more than 1.	<b>Lesson 5: Reading Pictograms</b> To be able to read, interpret and create a pictogram where the value of the picture can represent more than 1.
<b>5 Test, review and remediation</b>				
<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Chapter 8 review and consolidation</b> To practise various concepts covered in the chapter.	<b>Revision and Mid-year Tests (A)</b>  <b>Review and Remediation</b> <i>NB: Revision A p. 111</i>	<b>Revision and Mid-year Tests (A)</b>  <b>Review and Remediation</b> <i>NB: Revision B p.197</i>	<b>Revision and Mid-year Tests (A)</b>  <b>Review and Remediation</b> <i>NB: Mid-year revision p.205</i>
<b>6</b>		<b>Chapter 10: Money</b>		
<b>Revision and Mid-year Tests (A)</b>  <b>Review and Remediation</b> <i>NB: Mid-year revision p.205</i>	<b>Lesson 1: Writing Amounts of Money</b> To identify standard UK coins and notes and write their names.	<b>Lesson 2: Counting Money Using Notes</b> To count notes in sequences of 5 and 10; to recognise the value of notes by appearance.	<b>Lesson 3: Counting Money Using Coins</b> To count coins in sequences of their value; to recognise the value of coins by appearance.	<b>Lesson 4: Counting Money</b> To represent amounts of money using coins and notes; to count coins and notes using their denominations.
<b>Half term (Homework: recognising coins and notes)</b>				

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<b>Spring 2: 30 lessons</b>				
<b>1 Chapter 10: Money</b>				
<b>Lesson 5: Showing Equal Amounts of Money over 2 days</b> To create equal amounts of money using different coins.	<b>Lesson 5: Showing Equal Amounts of Money over 2 days</b> To create equal amounts of money using different coins.	<b>Lesson 6: Exchanging Money</b> To exchange denominations of money for different coins.	<b>Lesson 8: Calculating Total Amount</b> To add money together to determine the total amount.	<b>NON-MNP LESSON: Check Power Maths: Calculating Change</b> To calculate change.
<b>2 Chapter 10: Money No Chapter 10 review; use time to consolidate.</b>			<b>Chapter 11: 2-Dimensional Shapes</b>	
<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Lesson 1: Identifying Sides</b> To identify the number of sides on basic 2-D shapes.	<b>Lesson 2: Identifying Vertices</b> To identify and count the vertices in regular polygons.
<b>3 Chapter 11: Two-Dimensional Shapes</b>				
<b>Lesson 3: Identifying Lines of Symmetry</b> To identify lines of symmetry in basic 2-D shapes.	<b>Lesson 4: Making Figures</b> To construct shapes using pattern blocks that have lines of symmetry.	<b>Lesson 7: Making Patterns</b> To recognise patterns of familiar shapes and colours of up to three objects.	<b>Lesson 9: Moving Shapes</b> To move shapes from one position to another using common language. <i>NB: use simpler sheet or paper cut-outs</i>	<b>Lesson 10: Turning Shapes</b> To turn objects using $\frac{1}{4}$ , $\frac{1}{2}$ & $\frac{3}{4}$ turns clockwise & anticlockwise on a square grid. <i>NB: use simpler sheet or cut-out shapes with cocktail stick handles.</i>
<b>4</b>			<b>Chapter 12: Three-Dimensional Shapes</b>	
<b>Chapter 11 review and consolidation</b> To practise various concepts covered in the chapter.  (Check: q.3, 5 & 7)	<b>SPRING TESTS: arithmetic</b>  (according to school timetable)	<b>SPRING TESTS: reasoning</b>  (according to school timetable)	<b>Lesson 1: Recognising Three-Dimensional Shapes</b> To recognise 3-D shapes by identifying their properties.	<b>Lesson 2: Describing Three-Dimensional Shapes</b> To describe 3-D shapes and classify them using faces, vertices and edges.
<b>5 Chapter 12: Three-Dimensional Shapes</b>				<b>Chapter 13: Fractions</b>
<b>Lesson 3: Describing Three-Dimensional Shapes</b> To describe 3-D shapes based on number of faces & 2-D shapes of these faces; to construct nets of shapes into 3-D shapes.	<b>Lesson 4: Grouping Three-Dimensional Shapes</b> To group 3-D shapes by similar properties.	<b>Lesson 6: Making Patterns</b> To make and recognise patterns using 3-D shapes.	<b>Chapter 12 review and consolidation</b> To practise various concepts covered in the chapter.	<b>Fractions Lesson 1: Showing Equal Parts</b> To recognise that fractions represent equal parts of a whole.
<b>6 Chapter 13: Fractions</b>				
<b>Lesson 2: Showing Half and Quarter</b> To recognise, find, name and write $\frac{1}{2}$ and $\frac{1}{4}$ .	<b>Lesson 3: Showing Quarters</b> To recognise, find, name and write quarters.	<b>Lesson 4: Showing Thirds</b> To show and identify thirds in shapes; to use the vocabulary 'numerator' and 'denominator' when referring to fractions.	<b>Lesson 5: Naming Fractions</b> To deepen the understanding of fraction notation.	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.
<b>Easter holiday break: Homework: to count in 2,5 and 10 &amp; to tell the time to o'clock and half/quarter past (analogue)</b>				

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Summer 1: 22 lessons				
<b>1 Chapter 13: Fractions</b>				
Easter Monday	INSET day	<b>Lesson 6: Making a Whole</b> To recognise pairs of fractions that add up to a whole.	<b>Lesson 7: Counting in Halves</b> To recognise and write mixed numbers that are a multiple of $\frac{1}{2}$ .	<b>Lesson 8: Counting in Quarters</b> To recognise and write mixed numbers that are a multiple of $\frac{1}{4}$ .
<b>2 Chapter 13: Fractions</b>				
<b>Lesson 9: Counting in Thirds</b> To recognise and write mixed numbers that are a multiple of $\frac{1}{3}$ .	<b>Lesson 10: Finding Part of a Set</b> To be able to find half of a set.	<b>Lesson 11: Finding Part of a Set</b> To be able to find one third or two thirds of a set.	<b>Lesson 12: Finding Part of a Set</b> To be able to find a fraction of a set where the denominator is 2, 3 or 4.	<b>Lesson 13: Finding Part of a Quantity</b> To be able to recognise, name and find a fraction of a quantity.
<b>3 Chapter 14: Time</b>				
May bank holiday	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Chapter 13 review and consolidation</b> To practise various concepts covered in the chapter.  <i>Chapter review or use for consolidation.</i>	<b>ADDITIONAL LESSON: Revisit formal addition and/or subtraction with renaming</b>	<b>ADDITIONAL LESSON: Year 1, book 1B, Chapter 16: Lesson 2: Telling Time to the Half Hour</b> To improve familiarity with the analogue clock; to tell time to the half hour using the term 'half past'.
<b>4 Chapter 14: Time</b>				
<b>ADDITIONAL LESSON: 15 minutes intervals (including drawing hands on clock)</b>  Quarter past	<b>ADDITIONAL LESSON: 15 minutes intervals (including drawing hands on clock)</b>  Quarter to	<b>ADDITIONAL LESSON: 15 minutes intervals (including drawing hands on clock)</b>  Mixed quarter past and quarter to	<b>ADDITIONAL LESSON: 15 minutes intervals (including drawing hands on clock)</b>  Mixed quarter past and quarter to <i>Could use Power Maths</i>	<b>Lesson 1: Telling and Writing Time to 5 Minutes over 2 days</b> To tell and write the time to 5-minute intervals.
<b>5 Chapter 14: Time</b>				
<b>Lesson 1: Telling and Writing Time to 5 Minutes over 2 days</b>	<b>Lesson 2: Telling and Writing Time over 2 days</b> To tell time to 5-minute intervals and to the hour.	<b>Lesson 2: Telling and Writing Time over 2 days</b>	<b>ADDITIONAL LESSON: 5 minutes intervals</b>	<b>Lesson 3: Sequencing Events</b> To sequence events of the day by looking at analogue clocks and pictures.
Half term (Homework: to tell the time to				

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<b>Summer 2: 37 lessons</b>				
<b>1 Chapter 14: Time</b>				
<b>ADDITIONAL LESSON:</b> To revisit $\frac{1}{2}$ , $\frac{1}{4}$ , and 5-minute intervals.	<b>Lesson 4: Drawing Clock Hands over 2 days</b> To draw hands on an analogue clock to show the correct time.	<b>Lesson 4: Drawing Clock Hands over 2 days</b>	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>Lesson 5: Finding Durations of Time over 2 days</b> To find the duration of time using an analogue clock in 30- and 60-minute intervals.
<b>2 Chapter 14: Time</b> <i>No lesson 7 and 9. No Chapter 14 review.</i>				
<b>Lesson 5: Finding Durations of Time over 2 days</b>	<b>Lesson 6: Finding Ending Times over 2 days</b> To find the ending time of a duration of time from different 5-minute starting points.	<b>Lesson 6: Finding Ending Times over 2 days</b>	<b>Lesson 8: Finding Starting Times over 2 days</b> To find the starting time from 30-minute and 1-hour interval durations.	<b>Lesson 8: Finding Starting Times over 2 days</b>
<b>3 Chapter 14: Time</b>		<b>Chapter 15: Volume</b>		
<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.  <i>(Can be used any time during Ch.14)</i>	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.  <i>(Can be used any time during Ch.14)</i>	<b>Lesson 1: Comparing Volume</b> To compare volume in different-sized containers using the terms 'greater than', 'less than', 'greatest' and 'least'.	<b>Lesson 2: Comparing Volume</b> To compare the volume of different containers using non-standard units.	<b>Lesson 3: Measuring Volume in Litres</b> To measure volume using litres and determine whether an amount is $>$ , $<$ or $=$ a litre.
<b>4 Chapter 15: Volume</b>				
<b>Lesson 4: Measuring Volume in Millilitres</b> To measure volume using millilitres and litres; to determine how many millilitres there are in 1 l.	<b>Lesson 5: Solving Word Problems over 2 days</b> To solve word problems involving bar models with litres as the standard unit.	<b>Lesson 5: Solving Word Problems over 2 days</b>	<b>Lesson 6: Solving Word Problems over 2 days</b> To solve word problems using ml and l, including problems involving difference.	<b>Lesson 6: Solving Word Problems over 2 days</b>
<b>5 Chapter 15: Volume</b>				
<b>Lesson 7: Solving Word Problems over 2 days</b> To solve word problems involving volume and multiplication	<b>Lesson 7: Solving Word Problems over 2 days</b>	<b>Consolidation</b> To be used if lessons take longer than expected or a topic needs to be revisited.	<b>SUMMER TEST: arithmetic</b>  <i>(according to school timetable)</i>	<b>SUMMER TEST: reasoning</b>  <i>(according to school timetable)</i>
<b>6 Chapter 9: Word Problems</b> <i>Moved from Spring term</i>				
<b>Chapter 15 review and consolidate</b> To practise various concepts covered in the chapter.	<b>Lesson 1: Solving Word Problems over 2 days</b> To decide when it is appropriate to add and/or subtract when solving word problems; to improve the use of bar modelling and decision making based on visual representations.	<b>Lesson 1: Solving Word Problems over 2 days</b>	<b>Lesson 2: Solving Word Problems over 2 days</b> To use the bar model method to solve word problems looking at the difference between two amounts.	<b>Lesson 2: Solving Word Problems over 2 days</b>
<b>7 Test, review and remediation (MATHS WEEK)</b>				
<b>Revision and Mid-year Tests (B)</b>	<b>Revision and Mid-year Tests (B)</b>	<b>Revision and Mid-year Tests (B)</b>	<b>Revision and Mid-year Tests (B)</b>	<b>Revision and Mid-year Tests (B)</b>
<b>Review and Remediation</b>	<b>Review and Remediation</b>	<b>Review and Remediation</b>	<b>Review and Remediation</b>	<b>Review and Remediation</b>
<b>8 Test, review and remediation</b>				
<b>Revision and Mid-year Tests (B)</b>	<b>Revision and Mid-year Tests (B)</b>	<b>Summer break</b>		
<b>Review and Remediation</b>	<b>Review and Remediation</b>			
<b>Summer holiday break</b>				