Year 2 maths overview 2023-24

Quality First Education Trust

1 Chapter 1: Numbers to 100

INSET day Q1E	INSET day school	**Lesson 1: Counting to 100 over two days** To count numbers up to 100 using concrete objects: counting up by ones and tens.	**Lesson 1: Counting to 100 over two days** *(Teach how to use orange books)*	**Lesson 2: Place Value over two days** To understand each digit in a number has its own value.

2 Chapter 1: Numbers to 100

Lesson 2: Place Value over two days	**Lesson 3: Comparing Numbers** To compare numbers using place-value knowledge from previous lessons.	**Lesson 4: Number Bonds** To use the number bond strategy to deepen understanding of place value.	**Lesson 5: Number Patterns over two days** To count in ones and tens; to introduce boundary crossing using tens and ones.	**Lesson 5: Number Patterns over two days**

3 Chapter 1:Numbers to 100 | | | **Chapter 2: Addition and subtraction** | |

Lesson 6: Number Patterns over 2 days To recognise and describe patterns with more complex numbers, in particular 3 and 5.	**Lesson 6: Number Patterns over 2 days**	**Chapter 1 review and consolidation** To practise various concepts covered in the chapter	**Lesson 1: Simple Adding** To add a single-digit number to a double-digit number without regrouping the ones.	**Lesson 2: Simple Adding** To add tens by recognising its relationship to adding ones.

4 Chapter 2: Addition and subtraction

Lesson 3: Simple Adding To add double-digit numbers where one is a multiple of 10.	**Lesson 4: Simple Adding over 2 days** To add with tens and ones where the ones are both more than 0. **(NB: When partitioning relate changes in place value to 'column')**	**Lesson 4: Simple Adding over 2 days**	**Lesson 5: Adding with Renaming over 2 days** To add single-digit numbers to a double-digit number resulting in renaming of ones.	**Lesson 5: Adding with Renaming over 2 days**

5 Chapter 2: Addition and subtraction

Lesson 6: Adding with Renaming over 2 days To add 2 double-digit numbers where renaming is expected.	**Lesson 6: Adding with Renaming over 2 days**	**Lesson 7: Simple Subtracting** To subtract ones from a 2-digit number. **(NB: When partitioning relate changes in place value to 'column'. Teacher to model subtraction rather than doing activity time.)**	**Lesson 8: Simple Subtracting** To subtract 2-digit multiples of 10 from 2-digit multiples of 10.	**Lesson 9: Simple Subtracting** To subtract tens from a 2-digit number with the ones being more than zero.

6 Chapter 2: Addition and subtraction

Lesson 10: Simple Subtracting over 2 days To subtract a 2-digit number by another 2-digit number.	**Lesson 10: Simple Subtracting over 2 days**	**Lesson 11: Subtraction from Multiples of 10 over 2 days** To subtract within 100 by applying related 1-digit addition and subtraction facts. **(NB: When partitioning relate changes in place value to 'column'.)**	**Lesson 11: Subtraction from Multiples of 10 over 2 days**	**Lesson 12: Subtracting with Renaming over 2 days** To subtract a 2-digit number by a 1-digit number with renaming.

7 Chapter 2: Addition and subtraction

Lesson 12: Subtracting with Renaming over 2 days	**Lesson 13: Subtracting with Renaming over 2 days** To subtract a 2-digit number from another 2-digit number where renaming has to occur. **(NB: When partitioning relate changes in place value to 'column'.)**	**Lesson 13: Subtracting with Renaming over 2 days**	**Lesson 14: Addition of Three Numbers** To add three single-digit numbers.	**Consolidation** **To be used if lessons** take longer than expected or a topic needs to be revisited.

Half term break (Homework: Telling the time hour/half past)

Year 2 maths overview 2023-24

Autumn 2: 38 lessons				

1   Chapter 3: Multiplication of 2, 5 and 10

INSET day Q1E	**Chapter 2 review and consolidation** To practise various concepts covered in the chapter	**ADDITIONAL LESSON: Embed addition and subtracting with renaming** Revisit responding to feedback, using a ruler presentation expectation, digit formation, lesson expectations, etc	**Lesson 1: Multiplication as Equal Groups** To realise that multiplication is the same as repeated addition with equal groups.	**Lesson 2: 2 Times Table** To focus on understanding and learning the 2 times table.

2   Chapter 3: Multiplication of 2, 5 and 10

Lesson 3: 2 Times Table To use concrete materials and pictorial representations to multiply by 2.	**Lesson 4: 5 Times Table** To cover the basics of the 5 times table and to highlight multiplication visually as equal groups.	**Lesson 5: 5 Times Table** Recall and use the 5 times table.	**Lesson 6: 10 Times Table** To introduce the 10 times table by focusing on the numbers found in the 10 times table.	**Lesson 7: 10 Times Table** To look at the 10 times table in more detail by looking at patterns and relationships.

3   Chapter 3: Multiplication of 2, 5 and 10

Lesson 8: Multiplying by 2, 5 and 10 To investigate links between the 2, 5 and 10 times tables. To understand commutative law.	**Lesson 9: Multiplying by 2, 5 and 10** To use knowledge of the 2, 5 and 10 times tables to further investigate commutative law.	**Lesson 10: Solving Word Problems** To use the 2, 5 and 10 times tables to solve word problems.	**Consolidation** **To be used if lessons** take longer than expected or a topic needs to be revisited.	**Chapter 3 review and consolidation** To practise various concepts covered in the chapter

4   Chapter 4: Multiplication and Division of 2, 5 and 10

Lesson 1: Grouping To understand that grouping is a way of dividing.	**Lesson 2: Sharing** To be able to divide by sharing an amount.	**Lesson 3: Dividing by 2** To be able to divide by 2. The two strategies used here are splitting into groups of x and splitting into equal groups of many.	**Lesson 4: Dividing by 5** To be able to divide by 5 and identify links with multiplying by 5.	**AUTUMN TEST: arithmetic** **(Possible, SATs paper 1 2019)**

5   Chapter 4: Multiplication and Division of 2, 5 and 10

	Lesson 5: Dividing by 10 To be able to divide by 10 and identify links with multiplying by 10.	**Lesson 6: Multiplication and Division** Use multiplication and division skills to identify family facts in a number sentence.	**Lesson 7: Solving Word Problems (over 2 days)** Understand and solve word problems which require the use of the multiplication and division skills in this chapter.	**Lesson 7: Solving Word Problems (over 2 days)**

6 Chapter 4: Multiplication & Division of 2, 5 & 10 | | | | **Chapter 5: Length**

Lesson 8: Odd and Even Numbers To be able to link whether odd or even numbers can be divisible by 2, 5 or 10.	**Chapter 4 review and consolidation** To practise various concepts covered in the chapter.	**ADDITIONAL LESSON: Relationship between addition and subtraction & inverse (fact families)**	**ADDITIONAL LESSON: Missing numbers**	**Lesson 1: Measuring Length In Metres** To measure length in metres.

7   Chapter 5: Length *(no lesson 5 unless time permits)*

Lesson 2: Measuring Length in Centimetres To measure length in centimetres.	**Lesson 3: Comparing Length in Metres** To be able to compare length for objects using 'greater than' and 'less than' symbols.	**Lesson 4: Comparing Length in Centimetres** To be able to compare different lengths using centimetres as the unit of measure.	**Lesson 6: Solving Word Problems over 2 days** To be able to solve problems involving measurement in the context of word problems.	**Lesson 6: Solving Word Problems over 2 days**

8   Chapter 5: Length

Lesson 7: Solving Word Problems To be able to solve addition and multiplication word problems involving measurement.	**Lesson 8: Solving Word Problems over 2 days** To be able to solve addition and division word problems involving measurement.	**Lesson 8: Solving Word Problems over 2 days**	**Chapter 5 review and consolidation** To practise various concepts covered in the chapter.	**Christmas break**

Christmas holiday break				

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1   Chapter 6: Mass

INSET day school	ADDITIONAL LESSON: Revisit formal addition and/or subtraction with renaming *(including SATs style fact families/ missing numbers))*	**Lesson 1: Measuring Mass in Kilograms** To understand that mass is measured in kilograms and by using weighing scales.	**Lesson 2 : Measuring Mass in Grams** To measure mass in grams and to understand that it is a smaller unit of measure than kilograms.	**Lesson 3: Measuring Mass in Grams** To measure mass accurately in grams using weighing scales.

2   Chapter 6: Mass *(no lesson 5)*

Lesson 4: Comparing Masses of Two Objects To compare the mass of two different objects accurately.	**Lesson 6: Solving Word Problems** To solve word problems in the context of mass.	**Lesson 7: Solving More Word Problems over 2 days** To solve word problems involving mass.	**Lesson 7: Solving More Word Problems over 2 days**	**Chapter 6 review and consolidation** To practise various concepts covered in the chapter.

3   Chapter 7: Temperature

Consolidation To be used if lessons take longer than expected or a topic needs to be revisited. Renaming – addition & subtraction	**Lesson 1: Reading Temperature** To accurately read temperature in Celsius.	**Lesson 2: Estimating temperature** To estimate temperature and to read thermometers to confirm the estimate.	**Chapter 7 review and consolidation** To practise various concepts covered in the chapter.	**Lesson 1: Reading Pictograms** To be able to read a picture graph with confidence.

4   Chapter 8: Pictograms

Lesson 2: Reading Pictograms To be able to read and interpret a picture graph with confidence.	**Lesson 3: Reading Pictograms** To read and interpret a picture graph where the value of the picture can represent more than 1.	**Lesson 4: Reading Pictograms** To read and interpret a picture graph where the value of the picture can represent more than 1.	**Lesson 5: Reading Pictograms** To be able to read, interpret and create a pictogram where the value of the picture can represent more than 1.	**Consolidation To be used if lessons** take longer than expected or a topic needs to be revisited.

5   Test, review and remediation

Chapter 8 review and consolidation To practise various concepts covered in the chapter.	**Revision and Mid-year Tests (A)** **Review and Remediation** Revision A page 111	**Revision and Mid-year Tests (A)** **Review and Remediation** Revision B page197	**Revision and Mid-year Tests (A)** **Review and Remediation** Mid-year revision page 205	**Revision and Mid-year Tests (A)** **Review and Remediation** Mid-year revision page 205

Half term (Homework: recognising coins and notes)

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Spring 2: 29 lessons				
1 Chapter 10: Money				
Lesson 1: Writing Amounts of Money To identify standard UK coins and notes and write their names.	**Lesson 2: Counting Money Using Notes** To count notes in sequences of 5 and 10; to recognise the value of notes by appearance.	**Lesson 3: Counting Money Using Coins** To count coins in sequences of their value; to recognise the value of coins by appearance.	**Lesson 4: Counting Money** To represent amounts of money using coins and notes; to count coins and notes using their denominations.	**Lesson 5: Showing Equal Amounts of Money** To create equal amounts of money using different coins.
2 Chapter 10: Money				
Lesson 6: Exchanging Money To exchange denominations of money for different coins.	**Lesson 8: Calculating Total Amount** To add money together to determine the total amount.	**Check MNP new version L9: Calculating Change** To calculate change; to use the bar model approach to represent amounts of money. *(2021-22 did not use MNP lesson)*	**Chapter 10 review and consolidation** To practise various concepts covered in the chapter.	**Consolidation To be used if lessons** take longer than expected or a topic needs to be revisited.
3 Chapter 11: 2-D Shapes				
Lesson 1: Identifying Sides To identify the number of sides on basic 2-D shapes.	**Lesson 2: Identifying Vertices** To identify and count the vertices in regular polygons.	**Lesson 3: Identifying Lines of Symmetry** To identify lines of symmetry in basic 2-D shapes.	**SPRING TESTS: arithmetic** *(Possible, SATs paper 1 2022)*	**SPRING TESTS: reasoning** *(Possible, SATs paper 2 2022)*
4 Chapter 11: Two-Dimensional Shapes				
Lesson 4: Making Figures To construct shapes using pattern blocks that have lines of symmetry.	**Lesson 7: Making Patterns** To recognise patterns of familiar shapes and colours of up to three objects.	**Lesson 9: Moving Shapes** *(use simpler sheet or paper cut-outs)* To move shapes from one position to another using common language.	**Lesson 10: Turning Shapes** *(use simpler sheet or cut-out shapes with cocktail stick handles)* To turn objects using ¼ , ½ & ¾ turns clockwise & anticlockwise on a square grid.	**Chapter 11 review and consolidation** To practise various concepts covered in the chapter. **(Check: q.3, 5 & 7)**
5 Chapter 12: Three-Dimensional Shapes				
Lesson 1: Recognising Three-Dimensional Shapes To recognise 3-D shapes by identifying their properties.	**Lesson 2: Describing Three-Dimensional Shapes** To describe 3-D shapes and classify them using faces, vertices and edges.	**Lesson 3: Describing Three-Dimensional Shapes** 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.	**Lesson 4: Grouping Three-Dimensional Shapes** To group 3-D shapes by similar properties.	**Lesson 6: Making Patterns** To make and recognise patterns using 3-D shapes.
6 Chapter 13: Fractions				
Fractions Lesson 1: Showing Equal Parts To recognise that fractions represent equal parts of a whole.	**Lesson 2: Showing Half and Quarter** To recognise, find, name and write ½ and ¼.	**Lesson 3: Showing Quarters** To recognise, find, name and write quarters.	**Consolidation To be used if lessons** take longer than expected or a topic needs to be revisited.	**Easter break**
Easter break: Homework: counting in 2,5 and 10 and read clock for o'clock and half/quarter past				

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Summer 1: 28 or 29 lessons (check INSET)				
1 Chapter 13: Fractions				
INSET day school: Belleville, Belleville Wix, The Alton **Churchfields:** **Revisit 3-D shapes and complete Chapter 12 review and consolidation**	**REVISIT:** To revisit halves and quarters (could use previous year's MNP content)	**Lesson 4: Showing Thirds** To show and identify thirds in shapes; to use the vocabulary 'numerator' and 'denominator' when referring to fractions.	**Lesson 5: Naming Fractions** To deepen the understanding of fraction notation.	**Lesson 6: Making a Whole** To recognise pairs of fractions that add up to a whole.
2 Chapter13: Fractions				
Lesson 7: Counting in Halves To recognise and write mixed numbers that are a multiple of ½.	**Lesson 8: Counting in Quarters** To recognise and write mixed numbers that are a multiple of ¼.	**Lesson 9: Counting in Thirds** To recognise and write mixed numbers that are a multiple of ⅓.	**Lesson 10: Finding Part of a Set** To be able to find half of a set.	**ADDITIONAL LESSON: Revisit formal addition and/or subtraction with renaming pre-SATs** *(Incl. word problems)* *(according to class need)*
3 Chapter 13: Fractions *(NB: Fractions chapter review moved to summer 2, week 3)*				
SPRING TESTS: arithmetic (SATs paper 1 2023)	**SPRING TESTS: reasoning (SATs paper 2 2023)**	**Lesson 11: Finding Part of a Set** To be able to find one third or two thirds of a set.	**Lesson 12: Finding Part of a Set** To be able to find a fraction of a set where the denominator is 2, 3 or 4.	**Lesson 13: Finding Part of a Quantity** To be able to recognise, name and find a fraction of a quantity.
4 Chapter 14: Time				
May bank holiday	**ADDITIONAL LESSON: Year 1, book 1B, Chapter 16: 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'.	**ADDITIONAL LESSON: 15 minutes intervals (including drawing hands on clock)** *NB: Could use additional consolidation day to reinforce*	**Lesson 1: Telling and Writing Time to 5 Minutes** To tell and write the time to 5-minute intervals.	**Consolidation** **To be used if lessons** take longer than expected or a topic needs to be revisited. *Additional consolidation day, can be moved where necessary.*
5 Chapter 14: Time				
Lesson 2: Telling and Writing Time To tell time to 5-minute intervals and to the hour.	**Lesson 3: Sequencing Events** To sequence events of the day by looking at analogue clocks and pictures.	**Lesson 4: Drawing Clock Hands** **over 2 days** To draw hands on an analogue clock to show the correct time.	**Lesson 4: Drawing Clock Hands** **over 2 days**	**Consolidation** **To be used if lessons** take longer than expected or a topic needs to be revisited. *Can be moved where necessary.*
6				
ADDITIONAL LESSON: *Additional recap lesson according to class needs.* *OR:* *KS1 SATs 2023 paper.* *(according to school timetable)*	**ADDITIONAL LESSON:** *Additional recap lesson according to class needs.* *OR:* *KS1 SATs 2023 paper.* *(according to school timetable)*	**ADDITIONAL LESSON:** *Additional recap lesson according to class needs.* *OR:* *KS1 SATs 2023 paper.* *(according to school timetable)*	**ADDITIONAL LESSON:** *Additional recap lesson according to class needs.* *OR:* *KS1 SATs 2023 paper.* *(according to school timetable)*	**ADDITIONAL LESSON:** *Additional recap lesson according to class needs.* *OR:* *KS1 SATs 2023 paper.* *(according to school timetable)*
Half term homework: x2, x5, x10 multiplication tables				

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Summer 2: 37 or 38 lessons (check INSET)				
1 Chapter 14: Time				
INSET day school: Churchfields **Belleville, Belleville Wix, The Alton:** Revisit 3-D shapes and complete Chapter 12 review and consolidation	REVISIT:: To revisit lessons ½, ¼, 5-minute intervals (could use previous year's MNP content)	**Lesson 5: Finding Durations of Time over 2 days** To find the duration of time using an analogue clock in 30- and 60-minute intervals.	**Lesson 5: Finding Durations of Time over 2 days**	**Lesson 6: Finding Ending Times over 2 days** To find the ending time of a duration of time from different 5-minute starting points.
2 Chapter 14: Time				
Lesson 6: Finding Ending Times over 2 days	**Lesson 7: Finding Ending Times over 2 days** To find the ending time of a duration of time from different 5-minute starting points.	**Lesson 7: Finding Ending Times over 2 days**	**Lesson 8: Finding Starting Times over 2 days** To find the starting time from 30-minute and 1-hour interval durations.	**Lesson 8: Finding Starting Times over 2 days**
3 Chapter 14: Time				
Lesson 9: Comparing Durations of Time over 2 days To compare durations of time from the least amount to the most amount of time and vice versa.	**Lesson 9: Comparing Durations of Time over 2 days**	**Consolidation** **To be used if lessons** take longer than expected or a topic needs to be revisited.	**Chapter 14 review and consolidate** To practise various concepts covered in the chapter.	**Chapter 13 review and consolidation** To practise various concepts covered in the chapter. *Moved from summer 1*
4 Chapter 15: Volume				
Lesson 1: Comparing Volume To compare volume in different-sized containers using the terms 'greater than', 'less than', 'greatest' and 'least'.	**Lesson 2: Comparing Volume** To compare the volume of different containers using non-standard units.	**Lesson 3: Measuring Volume in Litres** To measure volume using litres and determine whether an amount is >, < or = a litre.	**Lesson 4: Measuring Volume in Millilitres** To measure volume using millilitres and litres; to determine how many millilitres there are in 1 l.	**Lesson 5: Solving Word Problems over 2 days** To solve word problems involving bar models with litres as the standard unit.
5 Chapter 15: Volume				
Lesson 5: Solving Word Problems over 2 days	**Lesson 6: Solving Word Problems over 2 days** To solve word problems using ml and l, including problems involving difference.	**Lesson 6: Solving Word Problems over 2 days**	**Lesson 7: Solving Word Problems** To solve word problems involving volume and multiplication	**Consolidation** **To be used if lessons** take longer than expected or a topic needs to be revisited.
6 Chapter 9: Word Problems				
Chapter 15 review and consolidate To practise various concepts covered in the chapter.	**Lesson 1: Solving Word Problems over 2 days** 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.	**Lesson 1: Solving Word Problems over 2 days**	**Lesson 2: Solving Word Problems over 2 days** To use the bar model method to solve word problems looking at the difference between two amounts.	**Lesson 2: Solving Word Problems over 2 days**
7 Test, review and remediation				
Revision and Mid-year Tests (B) Review and Remediation	Revision and Mid-year Tests (B) Review and Remediation	Revision and Mid-year Tests (B) Review and Remediation	Revision and Mid-year Tests (B) Review and Remediation	Revision and Mid-year Tests (B) Review and Remediation
8 Test, review and remediation				
Revision and Mid-year Tests (B) Review and Remediation	Revision and Mid-year Tests (B) Review and Remediation	Revision and Mid-year Tests (B) Review and Remediation	Summer break	
Summer break				