Year 1 maths overview 2021-22

Quality First Education Trust

Autumn Term 2021 – 22					
1 Chapter 1: Numbers to 10					
Recap Reception: part-whole model To understand how to use a part-whole diagram using concrete materials (Use language of greater than/less than to compare numbers to 5)	**Lesson 1: Counting to 10 over 2 days** To be able to count numbers to 10 accurately – forwards and backwards.	**Lesson 1: Counting to 10 over 2 days**	**Lesson 2: Counting Objects to 10 over 2 days** To be able to count similar objects up to 10 with accuracy and fluency.	**Lesson 2: Counting Objects to 10 over 2 days**	**Lesson 3: Writing to 10 over 2 days** To be able to write all numbers to 10 in numerals and in words; to count only objects of the same name in a group.
2 Chapter 1: Numbers to 10					
Lesson 3: Writing to 10 over 2 days	**Lesson 4: Counting To Zero** To be able to understand what zero represents and use it when counting.	**Lesson 5: Comparing Numbers of Objects over 2 days** To compare objects using matching and counting; to use the terms 'greater than' & 'less than' as key terms.	**Lesson 5: Comparing Numbers of Objects over 2 days**	**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'.
3 Chapter 2: Number Bonds					
REVIEW: Chapter 1	**Lesson 1: Making Number Bonds over 2 days** To understand that a number is made up of other numbers; to find as many ways as possible to construct a number.	**Lesson 1: Making Number Bonds over 2 days**	**Lesson 2: Making Number Stories over 2 days** To use number bonds for storytelling.	**Lesson 2: Making Number Stories over 2 days**	REVIEW: Chapter 2
4 Chapter 3: Addition Within 10					
Lesson 1: Add By Using Number Bonds over 2 days To be able to add two different numbers within 10. Pupils will become familiar with the different vocabulary associated with addition.	**Lesson 1: Add By Using Number Bonds over 2 days**	**Lesson 2: Add by Counting On over 2 days** To add by counting on.	**Lesson 2: Add by Counting On over 2 days**	**Lesson 3: Completing Number Sentences over 2 days** To complete number sentences and gain an understanding of inverse operations.	**Lesson 3: Completing Number Sentences over 2 days**
5 Chapter 3: Addition Within 10					
Lesson 4: Making Addition Stories over 2 days To be able to make addition stories using correct vocabulary.	**Lesson 4: Making Addition Stories over 2 days**	**Lesson 5: Solving Picture Problems over 2 days** To be able to solve addition problems through pictures.	**Lesson 5: Solving Picture Problems over 2 days**	**Lesson 6: Chapter End** Maths Journal and reflection of learning throughout the chapter. **Mind work out**	REVIEW: Chapter 3
6 Chapter 4: Subtraction Within 10					
Recap Reception (part-whole model with concrete resources for subtraction within 10: physically take away, recap language of 1 less)	**Lesson 1: Subtract by Crossing** To understand that subtraction can be done by crossing out or taking away.	**Lesson 2: Over 2 days**	**Lesson 2: Over 2 days**	**Lesson 3: Subtract by Counting Back over 2 days** To understand that subtraction can be done by crossing out or taking away.	**Lesson 3: Subtract by Counting Back over 2 days**
7 Chapter 4: Subtraction Within 10					
Lesson 4: Making Subtraction Stories over 2 days To be able to make subtraction sentences.	**Lesson 4: Making Subtraction Stories over 2 days** *(if needed)*	**Lesson 5: Solving subtraction stories** To be able to solve picture problems involving subtraction.	**Lesson 6: Addition and Subtraction over 2 days** To solve problems in the context of add & subtract & to find the corresponding number families.	Catch up	Catch up
Half term break					

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8 Chapter 4: Subtraction Within 10				Ch 5: Positions (Reception: HL2020-21)	
ADDITIONAL LESSON: Embed/revisit responding to feedback, using a ruler presentation expectation, digit formation, etc	Lesson 6: Addition and Subtraction over 2 days Embed addition and subtraction	Lesson 7: Chapter End & review To consolidate the learning of subtraction equations and fact families.	REVIEW: Chapter 4	Lesson 1: Naming Positions over 2 days To learn the appropriate positional language (ordinal numbers) for up to 10 positions.	Lesson 1: Naming Positions over 2 days
9 Chapter 5: Positions (Reception: HL 2020-21)					
Lesson 2: Naming Positions in Queues To be able to name the positions in a queue.	Lesson 3: Naming Left and Right Positions To be able to name positions including left and right.	Lesson 4: Chapter End To consolidate the learning of positional language.	Review Chapter 5	ADDITIONAL LESSON: R2P: 1AS–1 over 2 days Compose numbers to 10 from 2 parts, & partition numbers to 10 into parts, incl. recognising odd and even numbers	ADDITIONAL LESSON: R2P: 1AS–1 over 2 days
10 Chapter 6: Numbers to 20 (Reception: HL 2020-21)					
Lesson 1: Counting to 20 over 2 days To count numbers up to 20. The key strategy is to begin by making 10.	Lesson 1: Counting to 20 over 2 days	Lesson 2: Writing to 20 (over 2 days) To recognise, read and write numbers up to 20 in words and numerals.	Lesson 2: Writing to 20 (over 2 days)	Lesson 3: Comparing numbers (over 2 days) To use the terms 'greater than' or 'less than' to compare numbers within 20.	Lesson 3: Comparing numbers (over 2 days)
11 Chapter 6: Numbers to 20 (Reception: HL 2020-21)					
Lesson 4: Ordering Numbers over 2 days To be able to arrange numbers up to 20 in ascending and descending order	Lesson 4: Ordering Numbers over 2 days	Lesson 5: Number Patterns over 2 days To look for patterns with numbers up to 20, focusing on one more and one less than a number.	Lesson 5: Number Patterns over 2 days	Review Chapter 6	ADDITIONAL LESSON: R2P:NPV–2 over 2 days Compare numbers to 20 using greater than and less than symbols, < > (Could go after lesson 3?)
12 Chapter 7: Addition and Subtraction Within 20					
ADDITIONAL LESSON: R2P:NPV–2 over 2 days Compare numbers to 20 using greater than and less than symbols, < > (Could go after lesson 3?)	Lesson 1: Add by Counting On over 2 days To learn to add by counting on from the largest number.	Lesson 1: Add by Counting On over 2 days	Lesson 2: Add by Making 10 over 2 days To add to numbers by first making 10 and then adding on the remainder.	Lesson 2: Add by Making 10 over 2 days	Lesson 3: Add by Adding Ones over 2 days To add by separating the ones and ten. To add the sum of the ones to the ten.
13 Chapter 7: Addition and Subtraction Within 20					
Lesson 3: Add by Adding Ones over 2 days	Lesson 4: Counting Back over 2 days To learn how to subtract by counting back from the largest number	Lesson 4: Counting Back over 2 days	Lesson 5: Subtract Ones over 2 days To learn how to subtract by subtracting from only the ones column.	Lesson 5: Subtract Ones over 2 days	Lesson 6: Subtract from 10 over 2 days To subtract a certain amount of 1s from 10 rather than from the 1s, as there are not enough ones.
14 Chapter 7: Addition and Subtraction Within 20					
Lesson 6: Subtract from 10 over 2 days	Lesson 7: Addition and Subtraction Facts over 2 days To go through number facts derived from addition and subtraction sentences.	Lesson 7: Addition and Subtraction Facts over 2 days	Review Chapter 7	Catch up	Catch up
Christmas holiday break					

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Spring term 2021-22					
1 Chapter 8: Shapes and Patterns (Reception: 'Shape & pattern' unit HL 2020-21 BUT 'Shape' unit in school Summer term)					
Bank Holiday	INSET day	**ADDITIONAL LESSON: Introduce 2D and 3D shape and recap pattern from Reception (Eg. patterns in colour/shape/ orientation)**	**Lesson 1: Recognising Solids over 2 days** To recognise four basic 3-D solid shapes: spheres, cubes, cuboids and pyramids.	**Lesson 1: Recognising Solids over 2 days**	**Lesson 2: Recognising Shapes over 2 days** To recognise 2-D shapes in the everyday environment.
2 Chapter 8: Shapes and Patterns			**Chapter 9: Length and Height (Reception: HL 2020-21)**		
Lesson 2: Recognising Shapes over 2 days	**ADDITIONAL LESSON: R2P:1G-2** Compose 2D & 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations	**Review Chapter 8 Shape and pattern**	**Lesson 1: Comparing Height and Length over 2 days** To compare height and length using key terminology.	**Lesson 1: Comparing Height and Length over 2 days**	**Lesson 2: Measuring Length Using Things over 2 days** *(if needed)* To measure objects using other items, such as pencils or books.
3 Chapter 9: Length and Height (Reception: HL 2020-21)				Chapter 10: Numbers to 40	
Lesson 2: Measuring Length over 2 days *(if needed)*	**Lesson 3: Measuring Height and Length Using Body Parts** To be able to measure items using other things – parts of the body in particular.	**Lesson 4: Measuring Height and Length Using a Ruler** To introduce the concept of using rulers for measuring.	**Review Chapter 9: length and height**	**ADDITIONAL LESSON:** Revisit digit formation/ orientation/present ation expectations & number bonds to 10 **R2P: 1AS–1:** Compose numbers to 10 from 2 parts, & partition nos to 10 into parts, incl. recognising odd and even numbers	**ADDITIONAL LESSON: R2P:NPV–2** Compare numbers to 20 using greater than and less than symbols, < >
4 Chapter 10: Numbers to 40					
Lesson 1: Counting to 40 (over 2 days) To use the making 10 strategy to count numbers above 10; to represent numbers on a number line.	**Lesson 1: Counting to 40 (over 2 days)**	**Lesson 2: Writing Numbers to 40 (over 2 days)** To use the ten-frame method of organisation & place-value cards to assist in writing numbers to 40; to encourage multiple ways of counting, incl. by 2, 5 & 10.	**Lesson 2: Writing Numbers to 40 (over 2 days)**	**Exploration lesson:** representation of numbers to 40 using Dienes	**Lesson 3: Counting in Tens and Ones (over 2 days)** To understand that digits represent tens and ones; to represent numbers using Base 10 materials and numbers.
5 Chapter 10: Numbers to 40					
Lesson 3: Counting in Tens and Ones (over 2 days)	**Lesson 4: Comparing Numbers (over 2 days)** To use place value to compare 2 or 3 numbers & determine which is bigger/ smaller; to arrange 3 numbers in order of size.	**Lesson 4: Comparing Numbers (over 2 days)**	**Lesson 5: Finding How Much More (over 2 days)** To compare numbers using number bonds, 100-squares (deepening) and number lines to determine how much more/less.	**Lesson 5: Finding How Much More (over 2 days)**	**Lesson 6: Making Number Patterns (over 2 days)** To observe and use number patterns; to see number lines in conjunction with number squares in order to create visual proportionality.
6 Chapter 10: Numbers to 40		**Chapter 11: Addition and Subtraction Word Problems**			
Lesson 6: Making Number Patterns (over 2 days)	**Review Chapter 10: Numbers to 40**	**Lesson 1: Solving Word Problems (over 2 days)** To decide whether add or subtract is most appropriate operation; to use & apply number bonds & visuals to solve word problems.	**Lesson 1: Solving Word Problems (over 2 days)**	**Catch up**	**Catch up**
Break for half term					

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7 Chapter 11: Addition and Subtraction Word Problems					
ADDITIONAL LESSON: Revisit addition and subtraction methods	**Lesson 2: Solving Word Problems (over 2 days)** 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 2: Solving Word Problems (over 2 days)**	**Lesson 3: Solving Word Problems over 2 days** To develop number sentences based on word problems; to improve use of number bonds & 1:1 bar model representations to suit the question.	**Lesson 3: Solving Word Problems over 2 days**	**Lesson 4: Solving Word Problems over 2 days** *(if 2 days needed)* To use pictorial representations to help solve word problems; to choose the correct operation to solve a word problem.
Ch11: Add&Subtract Word Problems					
Lesson 4: Solving Word Problems over 2 days *(if needed)*	**Lesson 5: Solving Word Problems over 2 days** *(if 2 days needed)* To use visual represent & patterns to solve word problems; to develop precision in model drawing to recognise similarities and differences.	**Lesson 5: Solving Word Problems over 2 days** *(if needed)*	**Lesson 6: Solving Word Problems (over 2 days)** To apply addition and subtraction to multi-step word problems; to use number bonds to make 10 when adding.	**Lesson 6: Solving Word Problems (over 2 days)**	**Nfer Spring test 1**
9 Chapter 12: Multiplication					
Nfer Spring test 2	**Lesson 1: Making Equal Groups over 2 days** To identify equal groups as 1st step in multiplying; to reinforce the arrangement of objects does not impact their number.	**Lesson 1: Making Equal Groups (over 2 days)**	**Lesson 2: Adding Equal Groups (over 2 days)** To count groups of the same quantity more efficiently; to find multiple ways of counting groups of same quantity.	**Lesson 2: Adding Equal Groups (over 2 days)**	**Lesson 3: Making Equal Rows (over 2 days)** To organise objects into equal rows in order to begin counting equal numbers efficiently.
10 Chapter 12: Multiplication					
Lesson 3: Making Equal Rows (over 2 days)	**Lesson 4: Making Doubles (over 2 days)** To understand doubling is creating same number to the one you started with; to understand doubling is same as saying two groups of same amount.	**Lesson 4: Making Doubles (over 2 days)**	**Lesson 5: Solving Word Problems (over 2 days)** To solve word problems using equal groupings as the basis for multiplication.	**Lesson 5: Solving Word Problems (over 2 days)**	**Review Chapter 12: Multiplication**
11 Chapter 13: Division (Book B)					
Review Chapter 11: Addition and subtraction word problems *(or do in Summer term)*	**Lesson 1: Grouping Equally (over 2 lessons)** To divide even numbers into equal groups using concrete materials; to determine how many groups will be created from sharing equally.	**Lesson 1: Grouping Equally (over 2 lessons)**	**Lesson 2: Sharing Equally (over 2 days)** To divide even numbers equally into groups; to determine how many objects will be included in each group in order to share equally.	**Lesson 2: Sharing Equally (over 2 days)**	**Review Chapter 13: Division**
12 Chapter 14: Fractions				**Catch up time**	**Catch up time**
Lesson 1: Making Halves (over 2 days) To split an object (shape) into two equal parts; to identify shapes that have been split into two equal parts.	**Lesson 1: Making Halves (over 2 days)**	**Lesson 2: Making Quarters (over 2 days)** To split an object (shape) into four equal parts; to identify shapes that have been split into four equal parts.	**Lesson 2: Making Quarters (over 2 days)**		
Easter break					