Year 1 spring home learning overview

Quality First Education Trust

1 Spring 1

Bank Holiday	INSET day	**Chapter 8: Shapes and Patterns**			
		Additional lesson: **Recap 2-D and 3-D shape names and language of shape (Language: faces and vertices used in Reception)**	**Lesson 1: Recognising Solids** To recognise four basic 3-D solid shapes: spheres, cubes, cuboids and pyramids.	**Lesson 2: Recognising Shapes** To recognise 2-D shapes in the everyday environment.	**Lesson 3: Grouping Shapes** To be able to group shapes using different criteria.
		Complete the lessons: **2D shape:** https://classroom.thenational.academy/lessons/sorting-2d-shapes-cdh3et?step=1&activity=video **3D shape:** https://classroom.thenational.academy/lessons/describing-3d-shapes-crwk2e?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-recognise-name-and-describe-3d-shapes-cnjkcd?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-identify-2d-shapes-c9gkjd?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-describe-and-classify-2d-shapes-64ukjd?step=2&activity=video

2   Chapter 8: Shapes and Patterns | | | Chapter 9: Length and Height

Lesson 4: Making Patterns To make patterns using common 2-D shapes.	Additional Lesson: Recap 3D shapes	REVIEW: Chapter 8: Shapes and Patterns	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) To measure objects using other items, such as pencils or books.
Learn the strategy: https://classroom.thenational.academy/lessons/to-recognise-and-create-repeating-patterns-6rtpac?step=2&activity=video **AND:** https://classroom.thenational.academy/lessons/to-recognise-and-describe-repeating-patterns-6hjk4c?step=1&activity=video	**Complete the lesson:** **(Including the quiz)** https://classroom.thenational.academy/lessons/to-describe-and-classify-3d-shapes-70u3cc	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-compare-lengths-and-heights-of-objects-6wrpce?step=1&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/to-measure-lengths-using-non-standard-units-part-2-6ngkac?step=2&activity=video

3 Chapter 9: Length and Height

Lesson 2: Measuring Length (over 2 days)	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: **To understand even & odd as 'fair' and 'unfair' numbers.** In this lesson, we will investigate understanding even numbers as 'fair' numbers and odd numbers as 'unfair' numbers.	Additional Lesson: Compare numbers to 20 In this lesson, we will compare numbers to 20 using a tens frame and then use the language of comparison.
Learn the strategy: https://classroom.thenational.academy/lessons/to-measure-lengths-using-non-standard-units-part-2-6ngkac?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-measure-lengths-using-non-standard-units-part-1-64v30t?step=2&activity=video	**Learn the strategy: (up to 6 minutes and 2 seconds)** https://classroom.thenational.academy/lessons/using-standard-and-non-standard-units-when-measuring-cnh3jr?step=1&activity=video	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	**Complete the online lesson:** https://classroom.thenational.academy/lessons/to-understand-even-and-odd-as-fair-and-unfair-numbers-6ru3er	**Complete the online lesson:** https://classroom.thenational.academy/lessons/to-compare-numbers-to-20-6mr36c

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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 and place-value cards to assist pupils in writing numbers to 40; to encourage multiple ways of counting, such as counting by 2, 5 & 10.	**Lesson 2: Writing Numbers to 40 (over 2 days)**	**Exploration lesson:** representation of numbers 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.
Learn the strategy: **(this lesson video has one example that goes beyond 40)** https://classroom.thenational.academy/lessons/exploring-tens-and-ones-cru38d?step=2&activity=video		**Learn the strategy:** **(up to 6 minutes and 55 seconds)** https://classroom.thenational.academy/lessons/using-place-value-with-numbers-to-50-6muk4r?step=2&activity=video		**Learn the strategy: (watch the video to explore tens and ones)** https://www.khanacademy.org/math/cc-2nd-grade-math/cc-2nd-add-subtract-100/cc-2nd-add-100/v/understanding-place-value-when-adding-ones	**Learn the strategy:** https://www.khanacademy.org/math/cc-2nd-grade-math/cc-2nd-add-subtract-100/cc-2nd-add-100/v/understanding-place-value-while-adding-tens
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 two or three numbers and determine which number is bigger/ smaller; to arrange three 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.
Learn the strategy: https://www.khanacademy.org/math/cc-2nd-grade-math/cc-2nd-add-subtract-100/cc-2nd-add-100/v/understanding-place-value-while-adding-tens	**Learn the strategy:** https://classroom.thenational.academy/lessons/comparing-and-ordering-numbers-within-50-part-1-60r30t?step=2&activity=video https://classroom.thenational.academy/lessons/comparing-and-ordering-numbers-within-50-part-2-70vkjc?step=1&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/comparing-sets-using-more-or-fewer-64w3gd?step=1&activity=video https://classroom.thenational.academy/lessons/comparing-numbers-65hk4c?step=2&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/describing-and-completing-number-patterns-6wuk4r?step=2&activity=video
6 Chapter 10: Numbers to 40		Chapter 11: Addition & Subtraction Word Problems		Catch up time	
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 addition or subtraction is the most appropriate operation; to use number bonds and visuals to solve word problems.	**Lesson 1: Solving Word Problems (over 2 days)**	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.
Learn the strategy: https://classroom.thenational.academy/lessons/describing-and-completing-number-patterns-6wuk4r?step=2&activity=video	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.	**Learn the strategy:** https://classroom.thenational.academy/lessons/choosing-calculation-strategies-to-solve-calculations-cgu3jd?step=2&activity=video			
Half term break					

Spring 2					
7 Chapter 11: Addition and Subtraction Word Problems					
Recap addition and subtraction strategies: Use of part-whole model for addition and subtraction. Counting forward and back on a numberline.	**Lesson 2: Solving Word Problems (over 2 days)** To use 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 the use of number bonds and one-to-one bar models.	**Lesson 3: Solving Word Problems (over 2 days)**	**Lesson 4: Solving Word Problems (over 2 days)** To use pictorial representations to help solve word problems; to choose the correct operation to solve a word problem.
Complete the online lessons: **Addition:** https://classroom.thenational.academy/lessons/to-add-by-counting-on-using-a-number-line-ccukct?step=1&activity=video **Subtraction:** https://classroom.thenational.academy/lessons/to-subtract-by-counting-back-using-a-number-line-cgr36d?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-identify-complete-and-continue-number-patterns-adding-and-subtracting-1-or-2-ccr38e?step=2&activity=video https://classroom.thenational.academy/lessons/solving-comparison-problems-part-1-crw34r?step=2&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/representing-information-as-a-bar-model-part-1-6cw6ar?step=1&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/solving-comparison-problems-part-1-crw34r?step=2&activity=video
8 Chapter 11: Addition and Subtraction Word Problems					
Lesson 4: Solving Word Problems (over 2 days)	**Lesson 5: Solving Word Problems (over 2 days)** To use visual representations and patterns to solve word problems; to develop precision in model drawing to recognise similarities and differences.	**Lesson 5: Solving Word Problems (over 2 days)**	**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)**	**REVIEW: Chapter 11: Addition and subtraction word problems**
Learn the strategy: https://classroom.thenational.academy/lessons/solving-comparison-problems-part-1-crw34r?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/solving-comparison-problems-part-2-75j3jr?step=1&activity=video		**Learn the strategy:** **Addition:** https://classroom.thenational.academy/lessons/to-use-mathematical-models-and-strategies-for-addition-crrpcr?step=2&activity=video **Subtraction:** https://classroom.thenational.academy/lessons/to-use-mathematical-models-and-strategies-for-subtraction-64tk4d?step=1&activity=video		Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.
9 Chapter 12: Multiplication					
Additional Lesson: Recap making equal groups practically	**Lesson 1: Making Equal Groups (over 2 days)** To identify equal groupings as the first step in multiplying; to reinforce the idea that the arrangement of objects does not have an impact on the number of objects.	**Lesson 1: Making Equal Groups (over 2 days)**	**Lesson 2: Adding Equal Groups (over 2 days)** To understand we can count groups of the same quantity more efficiently; to find multiple ways of counting groups of the 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.
Complete the online lesson https://classroom.thenational.academy/lessons/unequal-and-equal-groups-6tgpcc	**Learn the strategy:** https://classroom.thenational.academy/lessons/practise-working-with-equal-and-unequal-groups-6nh36c?step=1&activity=video	https://classroom.thenational.academy/lessons/redistributing-from-unequal-to-equal-groups-6rtk4d?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/to-recognise-and-add-equal-groups-cgr68d?activity=video&step=1		**Learn the strategy:** https://classroom.thenational.academy/lessons/to-explore-arrays-part-1-6mvkcd?step=1&activity=video

10	Chapter 12: Multiplication				
Lesson 3: Making Equal Rows (over 2 days)	Lesson 4: Making Doubles (over 2 days) To understand that doubling is creating an identical number to the one you started with; to understand that doubling is the same as saying two groups of the 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
Learn the strategy: (as previous lesson) https://classroom.thenational.academy/lessons/to-explore-arrays-part-1-6mvkcd?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/understanding-the-concept-of-double-6gw3ad?step=1&activity=video		**Learn the strategy: (from 4 minutes and 25 seconds)** https://classroom.thenational.academy/lessons/practice-using-the-sentence-there-are-groups-of-crwp6t?step=1&activity=video		Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.
11	Chapter 13: Division				
Lesson 1: Grouping Equally (over 2 lessons) To understand how 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 understand how 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)	Additional Lesson: Embed division: grouping and sharing	REVIEW: Chapter 13: Division
Learn the strategy: https://classroom.thenational.academy/lessons/consider-the-nature-of-equal-groups-in-more-detail-cdhkad?step=1&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/to-share-a-total-equally-between-a-set-number-of-groups-6cu3cd?step=2&activity=video		**Complete the online lesson** https://classroom.thenational.academy/lessons/to-share-a-total-equally-and-find-the-number-of-groups-part-2-61jp8r	Use the strategies we have learnt in this chapter to complete the review. Go back to watch the videos if you are not sure.
12	Chapter 14: Fractions			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)	Revisit any worksheets that have not been completed so far from this half term.	Revisit any worksheets that have not been completed so far from this half term.
Learn the strategy: https://classroom.thenational.academy/lessons/to-identify-one-half-of-a-shape-60up2c?step=1&activity=video		**Learn the strategy:** https://classroom.thenational.academy/lessons/to-find-one-quarter-of-a-shape-c8r66c?step=2&activity=video			
Easter Holiday					