Year 5 summer home learning overview 2020-21

Quality First Education Trust

1 Summer term 1 2020-21					
	Recap and review				
INSET day	Recap fractions from year 4	Recap fractions from year 5	Recap decimals	Recap percentages	Recap formal methods for multiplication and division
	Learn the strategy: Complete the review of Chapter 6 (Bk 4A): Fractions Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	**Learn the strategy: Complete the review of Chapter 6 (Bk 5A) : Fractions** Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	**Learn the strategy: Complete the review of Chapter 7: Decimals** Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	**Learn the strategy: Complete the review of Chapter 8: Percentages** Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	**Learn the strategy: Complete the review of Chapter 3: Multiplication and division** Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.
2 Recap and review				**Chapter 10: Position and Movement**	
Recap geometry for year 4	Recap geometry for year 5	**Recap of multiplication and division decimals by 10, 100, 1000**	**Recap of mental strategies for addition and subtraction of decimals**	Lesson 1: Naming and Plotting Points To name and plot points.	Lesson 2: Describing Translations To describe the position of a shape following a translation.
Learn the strategy: Complete the review of Chapter 12 (Bk 4B): Geometry Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	**Learn the strategy: Complete the review of Chapter 9: Geometry** Use the strategies we have learnt in this chapter. Go back to watch the videos if you are not sure.	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/multiplying-and-dividing-decimals-by-101001000-6gvk2r	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/applying-mental-calculation-strategies-to-adding-and-subtracting-decimals-cgr3ce	**Learn the strategy:** https://vimeo.com/409775304/bea2fc5a78	**Learn the strategy:** https://vimeo.com/409775671/bc5ed1f76f
3 Chapter 10: Position and Movement			**Ch 11: Measures**		
Lesson 3: Describing Movements To describe movements and reflecting shapes.	Lesson 4: Describing Movements To describe the movement of a 2-D shape when reflected.	Lesson 5:Successive Reflections To reflect a shape more than once.	Lesson 1:Converting Units of Length To convert units of length.	Lesson 2: Converting Units of Length To convert units of length, including centimetres and metres.	Lesson 3: Converting Units of Length To convert units of length.
Learn the strategy: https://classroom.thenational.academy/lessons/identifying-describing-and-representing-the-position-of-a-shape-following-a-reflection-68rpar?step=2&activity=video	**Learn the strategy:** https://vimeo.com/409776110/1a2ab0e810	**Learn the strategy:** https://vimeo.com/409776589/97113f74e6	**Learn the strategy:** https://vimeo.com/412308669/ca376e5218	**Learn the strategy:** https://vimeo.com/412458115/3732a46fe0	**Learn the strategy:** https://classroom.thenational.academy/lessons/converting-between-metric-units-of-length-6cu3cc?step=2&activity=video

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4 Chapter 11: Measurements					
Lesson 4: Converting Units of Length To solve problems by converting units of length.	**Lesson 5:Converting Units of Mass** To convert units of mass.	**Lesson 6: Converting Units of Mass** To convert units of mass, including grams into kilograms.	**Lesson 7:Converting Units of Mass** To convert units of mass.	**Lesson 8: Converting Units of Mass** To convert units of mass, including kilograms and pounds.	**Recap of improper fractions (part 1)**
Learn the strategy: https://vimeo.com/412266614/85c76f6bd4	**Learn the strategy: Reminder:** https://www.bbc.co.uk/bitesize/clips/zbvgkqt **Then:** https://vimeo.com/412458996/a43c32b5cc	**Learn the strategy:** https://vimeo.com/414433992/8cdde028e0	**Learn the strategy:** https://vimeo.com/414477124/bee1c895f5	**Learn the strategy: Reminder:** https://www.bbc.co.uk/bitesize/topics/z4nsgk7/articles/zwbndxs **Then:** https://vimeo.com/414524738/d868b9f1d3	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/improper-fractions-part-1-c4tkac
5 Chapter 11: Measurements					
Recap of improper fractions (part 2)	**Lesson 9:Converting Units of Time** To convert units of time.	**Lesson 11: Converting Units of Time** To convert units of time.	*Lesson 12: Converting Units of Time* *To solve problems by converting units of time.*	*Lesson 13: Converting Units of Time* *To convert units of time.*	**Lesson 14: Telling the Temperature** To read the temperature on a thermometer.
Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/improper-fractions-part-2-64upad	**Learn the strategy:** https://classroom.thenational.academy/lessons/converting-between-units-of-time-6gvkjt?step=2&activity=video	**Learn the strategy:** https://vimeo.com/416889362/5c331079f1	**Learn the strategy:** https://vimeo.com/416888103/d83aa98466	**Learn the strategy:** https://vimeo.com/416886359/39bba0bd9d	**Learn the strategy:** https://vimeo.com/416884550/7a340e2ab0
6			Chapter 12: Area and Perimeter		
Recap of fractions and division	**Recap of simplifying fractions**	**Recap of simplifying fractions using the highest common factor**	**Recap year 3 perimeter: Chapter 14 (Bk 3B), Lesson 9: Calculating perimeter** To be able to solve problems on perimeter.	**Lesson 1: Finding the Perimeter** To find the perimeter of shapes.	**Lesson 2: Finding the Perimeter** To find shapes with a specific perimeter.
Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/fractions-and-division-part-1-64u32d **And:** https://classroom.thenational.academy/lessons/fractions-and-division-part-2-6dgk4e	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/simplifying-fractions-c4t6cr	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/simplifying-fractions-using-highest-common-factor-71hk2c	**Learn the strategy:** https://vimeo.com/424323552/59d70f4f01	**Learn the strategy:** https://vimeo.com/424323521/4e2f5d9af8	**Learn the strategy:** https://vimeo.com/424323590/6d7fd67ca6
Half term					

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Summer term 2 2020-21					
1 Chapter 12: Area and Perimeter					
Lesson 3: Finding the Perimeter To find the perimeter of different shapes	**Lesson 4: Using Scale Diagrams to Find the Perimeter** To use scale diagrams to find the perimeter of a shape.	**Recap year 4 area Chapter 11: Area of Figures: Lessons 2 and 3**	**Lesson 5: Measuring the Area** To measure the area of shapes by counting squares.	**Lesson 6: Measuring the Area** To measure the area of squares.	**Lesson 7: Measuring the Area** To measure the area of a shape.
Learn the strategy: https://vimeo.com/424323521/4e2f5d9af8 **And:** https://vimeo.com/424323552/59d70f4f01 **Additional learning:** https://classroom.thenational.academy/lessons/calculate-and-measure-perimeter-crv36r?step=1&activity=video	**Learn the strategy:** https://vimeo.com/424323590/6d7fd67ca6	**Learn the strategy:** **Lesson 2:** https://vimeo.com/user12106273/review/425844398/1408660396 **Lesson 3:** **Learn the strategy:** https://vimeo.com/user12106273/review/425859169/c53c1cc90e **And:** https://classroom.thenational.academy/lessons/understand-that-area-is-a-measure-of-surface-and-is-measured-in-square-units-part-1-ccwk2c?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/understand-that-area-is-a-measure-of-surface-and-is-measured-in-square-units-part-2-6xj3cc?step=2&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/calculate-and-compare-the-area-of-rectangles-using-square-centimetres-cm-69h6cd?step=1&activity=video	**Learn the strategy:** https://classroom.thenational.academy/lessons/calculate-the-area-of-rectangles-cgupcc?step=2&activity=video **Rectilinear shapes:** https://classroom.thenational.academy/lessons/calculate-the-area-of-rectilinear-shapes-6mr3ar?step=2&activity=video
2 Chapter 12: Area and Perimeter		**Yr 4 recap volume**		**Chapter 13: Volume**	
Lesson 8 :Measuring the Area To measure area in square metres.	**Lesson 11: Estimating the Area** To make an estimation of area in kilometres.	**Recap volume liquid year 4: Chapter 10: Volume: Lesson 4: Measuring Volume** To measure volume. **Lesson 5: Measuring Volume** To measure volume.	**Recap volume liquid year 4: Chapter 10: Volume: Lesson 6: Converting Units of Volume** To convert units of volume.	**Lesson 1: Understanding the Volume of Solids** To understand the volume of solids.	**Lesson 3: Finding the Volume of Solids** To find the volume of solids.
Learn the strategy: https://classroom.thenational.academy/lessons/calculate-and-compare-the-area-of-rectangles-using-square-metres-m-c9j64t?step=2&activity=video		**Learn the strategy:** **Reminder:** https://classroom.thenational.academy/lessons/converting-measurements-cdj62t?step=2&activity=video **Then:** https://classroom.thenational.academy/lessons/volume-to-read-scales-when-measuring-volume-6ru68d?step=1&activity=video	**Learn the strategy:** https://vimeo.com/425518080/f03d0149f3	**Learn the strategy:** https://vimeo.com/427271112/69062a1937 **And:** https://classroom.thenational.academy/lessons/to-investigate-and-explain-cubed-numbers-6hh38r?step=2&activity=video	**Learn the strategy:** https://vimeo.com/427276443/4b13f4c7bb **And:** https://classroom.thenational.academy/lessons/to-describe-volume-in-cubic-units-6hhkjd?step=2&activity=video

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3 Consolidation					
Revisit multiples and factors Today we will re-familiarise ourselves with the concepts of multiples and factors.	**Revisit formal addition and subtraction: Solving multi-step addition and subtraction problems** In this lesson, we will be applying the addition and subtraction strategies that we have learned to word and real-life problems.	**Consolidation and Review** Reviewing our understanding of multiples and factors; multiplying and dividing by 10, 100, 1000; mental strategies for efficient mental calculation and finishing off the lesson by consolidating our familiarity with formal methods of multiplication and division	**Revisit addition and subtraction fractions: Add and subtract fractions with a common denominator: Improper fractions** In this lesson we will learn how to add and subtract improper fractions and mixed number fractions with a common denominator.	**Revisit percentages: Understanding percentage** In this lesson we will learn how to find simple percent and what percentage means.	**Revisit converting between fractions, decimals, and percentages: Percentage as a fraction and decimal** In this lesson we will learn how to link simple percent to fractions and decimals in context.
Learn the strategy: Complete the online lesson: https://classroom.thenational.academy/lessons/multiples-and-factors-6gr32d	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/solving-multi-step-addition-and-subtraction-problems-ctk66d	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/consolidation-and-review-ccr62t	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/add-and-subtract-fractions-with-a-common-denominator-improper-fractions-6cw62d	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/understanding-percentage-6gvpad	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/percentage-as-a-fraction-and-decimal-6mrk0r
4 Chapter13: Volume	Consolidation				
Lesson 4: Finding the Capacity of Rectangular Boxes To find the capacity of a cuboid.	**Revisit reading methods of organisation of data: Consolidation and review** Today we will be reviewing the entire unit of line graphs and timetables by completing a series of challenges and problems based on the different concepts taught across all of the lessons throughout the unit. This lesson can be watched in its entirety or specific sections can be visited if pupils wish to focus their learning and consolidation on a specific concept.	**Revisit geometry problems: Calculating angles on a line or around a point** In this lesson we will learn how to calculate angles on a straight line, vertically opposite angles and angles around a point.	**Revisit measures problems: Solving problems involving converting between units of time** Students solve worded problems which compare different units of time.	**Revisit measures problems: Solving problems involving converting between units of metric mass** Word problems and problem solving activities for students to complete involving metric mass	**Revisit measures problems: Solving problems involving various units of measure** Word problems that challenge us to convert between various units of measures previously covered in the unit.
Learn the strategy: https://vimeo.com/427276443/4b13f4c7bb	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/consolidation-and-review-6cvkjd	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/calculating-angles-on-a-line-or-around-a-point-69h66t	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/solving-problems-involving-converting-between-units-of-time-6crp8e	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/solving-problems-involving-converting-between-units-of-metric-mass-69h66e	**Learn the strategy: Complete the online lesson:** https://classroom.thenational.academy/lessons/solving-problems-involving-various-units-of-measure-68v3ae