Year 4 maths overview 2021-22

Quality First Education Trust

1 Chapter 1: Numbers to 10 000					
Recap year 3 <u>Book 3A</u>, Ch.1, **Lesson 4: Comparing and Ordering Numbers** To be able to compare and order numbers up to 1000.	Recap year 3 <u>Book 3A</u>, Ch.1, **Lesson 5:** To be able to count from 0 in multiples of 50.	**Lesson 1: Counting in Hundreds and Twenty-Fives** To count in hundreds and twenty-fives.	**Lesson 2: Counting in Thousands** To count in thousands.	**Lesson 3: Counting in Thousands, Hundreds, Tens and Ones** To count in thousands, hundreds, tens and ones.	**Lesson 4: Using Place Value** To use an understanding of place value to count.
2 Chapter 1: Numbers to 10 000					
Lesson 5: Using Place Value To understand place value in a 4-digit number.	**Lesson 6: Comparing and Ordering Numbers** To compare and order numbers.	**Lesson 7: Comparing and Ordering Numbers** To compare and order 4-digit numbers.	**Lesson 8: Making Number Patterns** To make number patterns (100, 10, 1 more and less).	**Lesson 9: Making Number Patterns** To make number patterns (4-digit numbers).	**Lesson 10: Counting in Sixes, Sevens and Nines** To count in sixes, sevens and nines.
3 Chapter 1: Numbers to 10 000					
ADDITIONAL LESSON: Embed rounding 2 and 3-digit numbers to 10 & 100	**ADDITIONAL LESSON:** *(if needed)* **Embed rounding numbers to 10 & 100**	**Lesson 11: Rounding Numbers** To round numbers to the nearest 1000.	**Lesson 12: Rounding Numbers** To round numbers to the nearest 10, 100 and 1000.	**Lesson 13 : Rounding Numbers to Estimate** To round numbers to estimate.	**Lesson 14 : Rounding Numbers to Estimate** To round numbers to estimate.
4	**Negative numbers**		**Chapter 2: Addition and subtraction**		
ADDITIONAL LESSON: <u>Existing:</u> **To understand negative numbers.**	**ADDITIONAL LESSON:** <u>Existing:</u> **To understand negative numbers.**	**REVIEW: Chapter 1**	**Recap year 3** <u>Book 3A</u>, Ch. 2 **Lesson 10: Adding with Renaming** To add two 3-digit with renaming the 1s & 10s.	**Lesson 1: Finding Sums** To find totals and sums.	**Lesson 2: Adding without Renaming** To add without renaming.
5 Chapter 2: Addition and subtraction					
Lesson 3: Adding with Renaming To add with renaming (in the ones column).	**Lesson 4: Adding with Renaming** To add with renaming (in tens and ones).	**Lesson 5: Adding with Renaming** To add with renaming (in hundreds, tens and ones).	**Lesson 6: Adding Using Mental Strategies** To add using mental strategies (making tens, hundreds and thousands).	**Lesson 7: Adding Using Mental Strategies** To add using mental strategies.	**Recap year 3** <u>Book 3A</u>, Ch. 2 **Lesson 16: Subtracting with Renaming** To subtract from a 3-digit number with the regrouping of 1 ten into 10 ones.
6 Chapter 2: Addition and subtraction					
Lesson 8: Finding Differences To find the difference.	**Lesson 9: Subtracting without Renaming** To subtract without renaming (column subtraction).	**Lesson 10: Subtracting with Renaming** To subtract with renaming (in tens and ones).	**Lesson 12: Subtracting with Renaming** To subtract with renaming (in H, T and O).	**Lesson 13: Subtracting with Renaming** To subtract with renaming in the Th, H, T and O place	**ADDITIONAL LEESON:** *(if needed)* **Addition and subtraction with renaming**
7 Chapter 2: Addition and subtraction					
ADDITIONAL LEESON: *(if needed)* **Addition and subtraction with renaming**	**Lesson 14: Subtracting Using Mental Strategies** To subtract using mental strategies.	**Lesson 15: Solving Word Problems** To solve addition and subtraction word problems.	**Lesson 16: Solving Word Problems** To solve word problems (add and subtract).	**REVIEW: Chapter 2**	**Catch up**
Half term break					

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Autumn 2 2021-22					
8 Chapter 3: Multiplication and Division					
Lesson 1: Multiplying by 6 To multiply by 6	**Lesson 2: Multiplying by 7** To multiply by 7.	**Lesson 3 and 4: COMBINED LESSON Multiplying by 9** To multiply by 9	**Lesson 5 and 6: COMBINED LESSON Multiplying by 11** To multiply by 11.	**Lesson 7: Multiplying by 12** To multiply by 12.	**Lesson 8: Dividing by 6** To divide by 6.
9 Chapter 3: Multiplication and Division					
Lesson 9: Dividing by 7 To divide by 7.	**Lesson 10: Dividing by 9** To divide by 9.	**Lesson 11: Multiply & Divide by 11 & 12** To multiply & divide by 11 and 12	**Lesson 12: Dividing with Remainder** To divide with remainders.	**Lesson 13: Solving Word Problems** To solve word problems involving multiplication and division.	**Lesson 14: Solving Word Problems** Solve problems involving multiplication and division.
10 Chapter 3: Multiplication and Division					
Nfer Autumn paper	Nfer Autumn paper	Nfer Autumn paper	**Lesson 15: Solving Word Problems** Solve multi-step problems (in the context of measures).	**Lesson 18: Solving Word Problems** Solve problems involving scaling & comparison x & ÷	**ADDITIONAL LESSON: R2P: 4NF–3** Apply place-value knowledge to known additive (addition) and multiplicative (multiplication) number facts (scaling facts by
11 Chapter 4: Further Multiplication and Division					
REVIEW: Chapter 3	**COMBINED LESSON: Lesson 1: Multiplying by 0 & 1** To multiply by 0 & 1. **Lesson 2: Dividing by 1** To divide by 1.	**Lesson 3: Multiplying the Same Two Numbers** To understand commutativity.	**Lesson 4: Multiplying Three Numbers** To multiply three numbers.	**Lesson 5: Multiplying Multiples of 10** To multiply with multiples of 10.	**Lesson 6: Multiplying 2-Digit Numbers** To multiply 2-digit numbers.
12 Chapter 4: Further Multiplication and Division					
Recap year 3 Book 3A, Ch: 4 Lesson5 : Multiplying with Regrouping	**Lesson 7: Multiplying 2-Digit Numbers** To multiply 2-digit numbers with renaming.	**ADDITIONAL LESSON: (if needed) Embed multiplication of 2-digit numbers with renaming**	**Lesson 8: Multiplying Multiples of 100** To multiply multiples of 100.	**Lesson 9: Multiplying 3-Digit Numbers** To multiply 3-digit numbers.	**Lesson 10: Multiplying 3-Digit Numbers over 2 days if needed*** To multiply 3-digit numbers (renaming).
13 Chapter 4: Further Multiplication and Division					
Lesson 10: Multiplying 3-Digit Numbers over 2 days (if needed*) * Or use this day to embed 3-digit multiplication with renaming.	**Lesson 11: Multiplying 3-Digit Numbers** To multiply 3-digit numbers.	**ADDITIONAL LESSON: (if needed) Embed multiplication of 3-digit numbers with renaming**	**Recap year 3 Book 3A Book 3A Ch.4: Lesson 7:** Dividing with Regrouping	**Recap year 3 Book 3A Book 3A Ch.4: Lesson 8:** Dividing with Regrouping	**Lesson 12: Dividing 2-Digit Numbers** To divide 2-digit numbers.
14 Chapter 4: Further Multiplication and Division					
Lesson 13: Dividing 3-Digit Numbers To divide 3-digit numbers.	**Lesson 14: Dividing 2-Digit Numbers with remainders.** Divide 2-digit numbers–	**ADDITIONAL LESSON: (if needed) Embed dividing with regrouping**	Catch up *If time available: Revisit rounding*	Catch up	Catch up
Christmas holiday break					

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1 Spring term 1 2021-22 **ALL FACTUAL FLUENCY MULTIPLICATION TABLES**					
		Chapter 4: Further multiplication and division			
Bank holiday	**INSET day**	**ADDITIONAL LESSON: Revisit multiplication and division** *Recap presentation expectation, digit formation and challenge*	**ADDITIONAL LESSON: Revisit multiplication and division**	**Lesson 15: Dividing 3-Digit Numbers** Divide 3-digit numbers**.**	**Lesson 16: Dividing** 3-Digit Numbers Divide 3-digit numbers with remainders.
2 Chapter 4: Further multiplication and division				**Chapter 5: Graphs**	
ADDITIONAL LESSON: Revisit multiplication word problems involving scaling	**Lesson 17: Solving Word Problems** To solve multiplication and division word problems.	**Lesson 18: Solving Word Problems** To solve multiplication and division word problems (multi-step).	**REVIEW: Chapter 4: Multiplication and division**	**ADDITIONAL LESSON: Recap year 3 graphs, Lesson 3: Reading Bar Graphs** To read & interpret info from a bar graph; to use and understand vocabulary related to bar graphs.	**Lesson 1: Drawing and Reading Picture Graphs and Bar Graphs** To draw and read picture graphs and bar graphs.
3 Ch5: Graphs					**Recap fractions**
Lesson 2: Drawing and Reading Bar Graphs To draw and read bar graphs.	**Lesson 3: Drawing and Reading Line Graphs** To draw and read line graphs.	**Lesson 4: Drawing and Reading Line Graphs** To draw and read a line graph.	**Lesson 5: Drawing and Reading Line Graphs** To draw and read line graphs (drawing focus).	**REVIEW: Chapter 5: Graphs**	**Recap year 3 fractions: Ch.11, Lesson 1: Counting in Tenths** To count in tenths; to recognise tenths and be able to determine how many tenths are shaded.
4 Fractions: Recap Year 3, textbook 3B **(Year 2: HL 2019-20 and just returned to school Year 3 2020-21)**					
Recap year 3 fractions: Ch.11, Lesson 3: Adding Fractions To add fractions with the same denominator.	**Recap year 3 fractions: Ch.11, Lesson 5: Subtracting Fractions** To subtract fractions with the same name.	**Recap year 3 fractions: Ch.11, Lesson 9: Finding Equivalent Fractions** To find fractions equivalent to 1/2; use pictorial representations and multiplication to show equivalence.	**Recap year 3 fractions: Ch.11, Lesson 10: Finding Equivalent Fractions** To find equivalent fractions using concrete objects and pictorial representations.	**Recap year 3 fractions: Ch.11, Lesson 12: Finding the Simplest Fraction** To find the simplest fraction using visualisation and concrete materials.	**Recap year 3 fractions: Ch.11, Lesson 16: Comparing Fractions** To compare fractions using pictorial representations; to understand the numerical nature of the numerator.
5 Fractions: Recap Year 3, textbk 3B **(Year 2: HL 2019-20 and just returned to school Year 3 2020-21)**					**Ch.6: Fractions**
Recap year 3 fractions: Ch.11, Lesson 18: Adding Fractions To add fractions using pictorial representations; to simplify fractions after adding them.	**Recap year 3 fractions: Ch.11, Lesson 19: Subtracting Fractions** To subtract fractions using pictorial representations; to simplify fractions after they have been subtracted.	**Recap year 3 fractions: Ch.11, Lesson 20: Subtracting Fractions** To subtract fractions from a whole amount; to use pictorial representations of whole numbers to help subtract fractions.	**Lesson 22: Finding Part of a Set** To find a fraction of a whole number using pictorial representations, multiplication and concrete objects.	**Lesson 23: Finding the Fraction of a Number** To consolidate finding the fraction of a whole number.	**Lesson 1: Counting in Hundredths** To count in hundredths.
6 Ch 6: Fractions **(Year 2: HL 2019-20 & just returned to school Year 3 2020-21)**				**Catch up**	**Catch up**
Lesson 2: Writing Mixed Numbers To write mixed number fractions.	**Lesson 3: Showing Mixed Numbers on a Number Line** To show mixed number fractions on a number line.	**Lesson 4: Finding Equivalent Fractions** To find equivalent fractions.	**Lesson 5: Finding Equivalent Fractions** To find equivalent fractions (further practise).		
Half term					

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7 Spring term 2 2021-22					
Chapter 6: Fractions (Year 2: HL 2019-20 & just returned to school Year 3 2020-21)					
Lesson 6: Simplifying Mixed Numbers To simplify mixed number fractions.	**Lesson 7: Simplifying Improper Fractions** To simplify improper fractions.	**Lesson 8: Adding Fractions** To add fractions.	**Lesson 9: Adding Fractions** To add fractions (recording answers as a mixed number).	**Lesson 10: Adding Fractions** To add fractions (simplest form).	**Lesson 11: Subtracting Fractions** To subtract fractions.
8 Chapter 6: Fractions					
Lesson 12: Subtracting Fractions To subtract fractions (equivalence). *(Could use L13 for deepening)*	**ADDITIONAL LESSON: Embed fraction content**	**REVIEW: Chapter 6: Fractions**	**ADDITIONAL LESSON: Revisit formal addition and subtraction**	**ADDITIONAL LESSON: Revisit formal multiplication and division**	**ADDITIONAL LESSON: Revisit formal multiplication and division (incl. word problems)**
9			**Chapter 7: Time (Year 2 HL & Year 3 just back 2019-21)**		
Nfer Spring test	**Nfer Spring test**	**Nfer Spring test**	**ADDITIONAL LESSON: Revisit year 3: Ch9: Time: Lesson 3: Telling the Time** To consolidate and apply a variety of vocabulary used to express the time.	**ADDITIONAL LESSON: Revisit year 3: Ch9: Time: Lesson 4: Telling the Time** To compare analogue and digital time; to represent time using both analogue and digital methods.	**ADDITIONAL LESSON: Revisit year 3: Ch9: Time: Lesson 5: Telling the Time** To tell time before the hour using the hour and minute hands.
10 (Year 2 HL & Year 3 just back 2019-21)					
Lesson 1: Telling Time on a 24-Hour Clock To tell the time on a 24-hour clock.	**Lesson 2: Changing Time in Minutes to Seconds** To convert between minutes and seconds.	**Lesson 3: Changing Time in Hours to Minutes** To convert between hours and minutes.	**Lesson 4: Solving Problems on Duration of Time** To solve time problems.	**Lesson 5: Changing Years to Months and Weeks to Days** To convert between units of time.	**Lesson 6: Solving Word Problems** To solve word problems (duration).
11 Chapter 8: Decimals					
REVIEW: Chapter 7: Time	**Lesson 1: Writing Tenths** To record tenths.	**Lesson 2: Writing Tenths** To record in tenths.	**Lesson 3: Writing Tenths** To record in tenths (in different ways).	**Lesson 4: Writing Hundredths** To write hundredths.	**Lesson 5: Writing Hundredths** To write hundredths.
12 Chapter 8: Decimals			**Catch up**	**Catch up**	**Catch up**
Lesson 6: Writing Hundredths To write hundredths (in different ways).	**Lesson 7: Writing Hundredths** To record hundredths.	**Lesson 8: Writing Decimals** To write decimal numbers.			