Year 5 coverage overview 2023-24

Quality First Education Trust

Autumn 1: 33 lessons				
1 Chapter 1: Numbers to 1 000 000				
INSET day Q1E	**INSET day school**	**Lesson 1: Reading & Writing Numbers to 100 000** To read and represent numbers to 100 000.	**Lesson 2: Reading & Writing Numbers to 1 000 000** To read and represent numbers to 1 000 000.	**Lesson 3: Reading & Writing Numbers to 1 000 000** To read and represent numbers to 1 000 000 using number discs.
2 Chapter 1: Numbers to 1 000 000				
Lesson 4: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using place value.	**Lesson 5: Comparing Numbers to 1 000 000** To compare numbers to 1 000 000 using place value.	**Lesson 6: Comparing Numbers to 1 000 000** To compare numbers to 1 000 000 using pictorial representations and proportionality.	**Lesson 7: Comparing Numbers to 1 000 000** To compare numbers to 1 000 000 from pi0ctorial representations, using lists and number lines.	**Lesson 8: Making Number Patterns** To make and identify patterns in numbers using knowledge of place value.
3 Chapter 1: Numbers to 1 000 000 ***(FF: including rounding to the nearest 10, 100, 1000)***				
Lesson 9: Making Number Patterns To make number patterns that decrease in multiples of 10 000 or 100 000.	**Lesson 10 over 2 days: Rounding Numbers to the Nearest 10 000** To round numbers to the nearest 10 000 using number lines & bar graphs.	**Lesson 10 over 2 days: Rounding Numbers**	**Lesson 11 over 2 days: Rounding Numbers to the Nearest 100 000** To round numbers to the nearest 100 000 using number lines & bar graphs.	**Lesson 11 over 2 days: Rounding Numbers**
4 Chapter 1: Numbers to 1 000 000			**Ch. 2: Whole Numbers: Addition & Subtraction**	
Lesson 12: Rounding Numbers To round numbers to the nearest 100, 1000, 10 000 and 100 000 using number lines.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 1 review and consolidation:** To practise various concepts covered in the chapter.	**Lesson 1: Counting On to Add** To add using the 'counting on' strategy with concrete materials and number lines.	**Lesson 2: Adding within 1 000 000** To add numbers within 1 000 000 using rounding.
5 Chapter 2: Whole Numbers: Addition and Subtraction ***(Factual fluency: including x/÷ by 10, 100, 1000)***				
Lesson 3: Adding within 1 000 000 To add numbers within 1 000 000 using the column method of addition.	**Lesson 4: Adding within 1 000 000** To consolidate and refine addition skills and place-value knowledge to solve addition problems.	**Lesson 5: Counting Backwards to Subtract** To subtract using the 'counting backwards' strategy with concrete materials.	**Lesson 6: Subtracting within 1 000 000** To subtract using the column method and number discs using numbers to 1 000 000.	**Lesson 7: Subtracting within 1 000 000** To subtract using the column method and number discs using numbers to 1 000 000.
6 Chapter 2: Whole Numbers: Addition and Subtraction ***(Factual fluency: including inverse operations)***				
Lesson 8: Subtracting within 1 000 000 To subtract numbers to 100000 using the column method and number discs using numbers to 1000000	**Lesson 9: Adding and Subtracting within 1 000 000** To use addition and subtraction to solve comparison problems with numbers to 1000000 ***NB: language focus - difference, sum, total***	**Lesson 10: Adding and Subtracting within 1 000 000** To consolidate and refine addition and subtraction skills and place-value knowledge to solve problems.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 2 review and consolidation:** To practise various concepts covered in the chapter.
7 Chapter 3: Multiplication and Division ***(Factual fluency: including number sequences)***				
Lesson 1: Finding Multiples To consolidate and review multiplication; to find the result of multiplying by a number.	**Lesson 2: Finding Factors** To consolidate and review multiplication; to find the numbers we can multiply by to get a number.	**Lesson 3: Finding Common Factors** To define and find common factors of numbers to 100.	**ADDITIONAL LESSON:** Consolidate multiples and factors	**Lesson 4: Finding Prime Numbers** To identify & name the prime numbers; to recognise prime numbers as numbers that only have 2 factors.
Half term break				

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Autumn 2: 38 lessons				
1 Chapter 3: Multiplication and Division *(Factual fluency: including rounding to the nearest 10, 100, 1000, etc)*				
INSET day Q1E	**Lesson 5: Finding Prime Numbers and Composite Numbers** To define & determine prime numbers and composite numbers.	**Lesson 6: Finding Square and Cube Numbers** To create and determine square and cube numbers.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Lesson 7: Multiplying by 10, 100 and 1000** To multiply 1- and 2-digit numbers by 10, 100 and 1000.
2 Chapter 3: Multiplication and Division				
Lesson 8: Multiply 2-Digit & 3-Digit Numbers by 1 Digit To multiply 2- & 3-digit numbers by a 1-digit number using multiple strategies.	**Lesson 9: Multiplying 4-Digit Numbers** To multiply 4-digit numbers by single-digit numbers.	**Lesson 10: Multiplying 4-Digit Numbers** To multiply 4-digit numbers by single-digit numbers with regrouping, using a variety of strategies.	**Lesson 11: Multiplying 4-Digit Numbers** To multiply 4-digit numbers by single-digit numbers with regrouping, from ones, tens & hundreds, using multiple methods.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.
3 Chapter 3: Multiplication and Division *Factual fluency: including cube/square numbers)*				
Lesson 12: Multiplying a 2-Digit Number by a 2-Digit Number To multiply 2-digit numbers by 2-digit numbers using multiple methods.	**Lesson 13 : Multiply 2-Digit Number by a 2-Digit Number** To multiply 2-digit by 2-digit numbers using multiple methods, incl.grid method, no bonds & column method, with regrouping.	**Lesson 14: Multiplying a 3-Digit Number by a 2-Digit Number** To multiply a 3-digit by a 2-digit number, using grid method & column method as key strategies.	**Lesson 15: Multiplying a 3-Digit Number by a 2-Digit Number** To multiply a 3-digit by a 2-digit number, with regrouping using the column method as the key strategy.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.
4 Chapter 3: Multiplication and Division				
Lesson 16: Dividing by 10, 100 and 1000 To find thousands, hundreds and tens in a 4-digit number using concrete materials.	**Lesson 17: Dividing without remainder** To divide 3- and 4-digit numbers by 1-digit numbers using number bonds and long division as key methods.	**Lesson 18: Dividing without remainder** To divide 4-digit numbers by 1-digit numbers, using number bonds and long division as key methods.	**Lesson 19: Dividing with Remainder** To divide 3-digit by single-digit numbers using long division, short division and mental methods with remainders.	**ADDITIONAL LESSON: Dividing without/ with remainder** To divide 4-digit numbers by 1-digit numbers, using **short division** as key method.
5 Chapter 3: Multiplication and Division				
Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited	**ADDITIONAL LESSON:** Word problems using multiplication and/or division.	**AUTUMN TEST: arithmetic**	**AUTUMN TEST: reasoning**	**AUTUMN TEST: reasoning**
6 Chapter 3: Multiplication and Division		**Chapter 5: Graphs**		
ADDITIONAL LESSON: Word problems using multiplication and/or division.	**Chapter 3 review and consolidation:** To practise various concepts covered in the chapter.	**Lesson 1: Reading Tables** To read the information presented in a table and interpret its meaning.	**Lesson 2: Reading Tables** To read and respond to information presented in a table.	**Lesson 3: Reading Tables** To read and respond to tables with a variety of data sets.
7 Chapter 5: Graphs				
Lesson 4: Reading Line Graphs To read & interpret information provided in a line graph where a single line represents data.	**Lesson 5: Reading Line Graphs** To read & interpret the information presented in a line graph where the data is represented by more than 1 line.	**Lesson 7: Reading Line Graphs** To read & interpret info presented in table & turn it into a line graph; determine relationships between data sets.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 5 review and consolidation:** To practise various concepts covered in the chapter.
8 Chapter 6: Fractions *(NB: Additional lessons could be combined if time is needed)*				
ADDITIONAL LESSON: Recap Yr 3 Fractions: Bk 3B old book, Ch 11, L 22: Finding Part of a Set To find a fraction of a whole number using multiplication and concrete objects.	**ADDITIONAL LESSON: Recap Yr 3 Fractions: Bk 3B old book, Ch 11, L23: Finding the Fraction of a Number** To consolidate finding the fraction of a whole number	**ADDITIONAL LESSON: Fractions Recap year 4: Book 4A, Ch.6, Lesson 10: Adding Fractions** To add fractions (simplest form).	**ADDITIONAL LESSON: Fractions Recap year 4 Book 4A, Ch.6, Lesson 12: Subtracting Fractions** To subtract fractions (equivalence).	**Christmas break**
Christmas break				

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Spring 1: 24 lessons				
1 Chapter 6: Fractions *(Factual fluency: including converting simple equivalent fractions)*				
INSET day school	**ADDITIONAL LESSON: Revisit simplifying fractions (year 4)**	**Lesson 1: Dividing to Make Fractions** To divide whole numbers to create fractions; to create mixed numbers and improper fractions when dividing whole numbers.	**Lesson 2: Writing Improper Fractions and Mixed Numbers** To write improper fractions and mixed numbers using a number line and pictorial methods.	**Lesson 3: Finding Equivalent Fractions** To find equivalent fractions using pictorial methods.
2 Chapter 6: Fractions *(Factual fluency: including adding and subtracting fractions with the same denominator)*				
Lesson 4: Comparing and Ordering Fractions To compare and order fractions using the pictorial method.	**Lesson 5: Comparing and Ordering Fractions** To compare and order improper fractions using the pictorial method.	**Lesson 6: Comparing and Ordering Fractions** To compare mixed nos. using pictorial; to find common denominators where one fraction is already common denominator for all.	**Lesson 7: Making Number Pairs** To make number pairs (number bonds) with fractions with different denominators.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.
3 Chapter 6: Fractions				
Lesson 8: Adding Fractions To add unlike fractions by finding a common denominator using pictorial methods.	**Lesson 9: Adding Fractions** To add unlike fractions by finding a common denominator using pictorial methods.	**Lesson 10: Adding Fractions** To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions.	**Lesson 11: Adding Fractions** To add unlike fractions which create improper fractions and mixed numbers that give rise to simplification.	**Lesson 12: Subtracting Fractions** To subtract fractions with different denominators; to subtract fractions from whole numbers.
4 Chapter 6: Fractions *(Factual fluency: including properties of 2D and 3D shapes)*				
Lesson 13: Subtracting Fractions To subtract fractions with denominators not the same; to use bar models for subtracting fractions.	**Lesson 14: Subtracting Fractions** To subtract fractions and mixed numbers from mixed numbers with different denominators.	**Lesson 15: Multiplying Fractions by Whole Numbers by Proper Fractions** To multiply fractions by whole numbers creating other fractions, mixed numbers or improper fractions.	**Lesson 16: Multiplying Proper Fractions and Whole Numbers** To multiply fractions by whole numbers where the product is an improper fraction or mixed number.	**Lesson 17: Multiplying Mixed Numbers and Whole Numbers** To multiply mixed numbers by whole numbers, creating larger mixed numbers.
5 Chapter 6: Fractions				
Lesson 18: Multiplying Mixed Numbers and Whole Numbers To multiply mixed numbers by whole numbers, in multi-step word problems.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**ADDITIONAL LESSON: Revisit fractions of amounts** Reteach unit and non-unit fractions of amounts	**Chapter 6 review and consolidation:** To practise various concepts covered in the chapter.	**Revision and Mid-year Tests (A)**
Half term break				

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Spring 2: 29 lessons				
1			Chapter 7: Decimals	
Revision and Mid-year Tests (A)	**Revision and Mid-year Tests (A)**	**Revision and Mid-year Tests (A)**	**Lesson 1: Writing Decimals** To write decimal numbers.	**Lesson 2: Reading and Writing Decimals** To read and write decimals.
2 Chapter 7: Decimals *(Factual fluency: including basic fractions of amounts)*				
Lesson 3: Reading and Writing Decimals To read and write decimals.	**Lesson 4: Comparing Decimals** To compare tenths and hundredths written as decimals	**Lesson 5: Comparing Decimals** To order and compare decimals.	**Lesson 6: Comparing Decimals** To compare and order decimals of amounts.	**Lesson 7: Writing Fractions as Decimals** To write fractions as decimals.
3 Chapter 7: Decimals				
Lesson 8: Adding and Subtracting Decimals To add and subtract amounts in decimals.	**Lesson 9: Adding and Subtracting Decimals** To add and subtract decimals. To add and subtract amounts in pounds and pence.	**Lesson 10: Adding and Subtracting Decimals** To add and subtract amounts in pounds and pence.	**Lesson 11: Adding and Subtracting Decimals** To add and subtract decimals. To add and subtract amounts in pounds and pence.	**Lesson 12: Adding and Subtracting Decimals** To add and subtract decimals to find the smallest possible sum and difference.
4 Chapter 7: Decimals				
Lesson 13: Adding and Subtracting Decimals To add and subtract decimals. To find number pairs that add up to 1.	**Lesson 14: Adding and Subtracting Decimals** To add and subtract the perimeter of an object using decimals.	**SPRING TEST: arithmetic**	**SPRING TEST: reasoning**	**SPRING TEST: reasoning**
5 Chapter 7: Decimals *(FF: rounding decimals to the nearest whole)*			Chapter 8: Percentages	
Lesson 15: Rounding Decimals To round decimals to the nearest whole number. To round numbers to the nearest tenth.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 7 review and consolidation:** To practise various concepts covered in the chapter.	**Lesson 1: Writing Quantities** To compare quantities. To compare fractions, decimals and percentages. To convert fractions to decimals and percentages.	**Lesson 2: Finding Percentages** To convert values of an amount into percentages. To convert fractions into percentages.
6 Chapter 8: Percentages *(Factual fluency: rounding to 1DP)*				
Lesson 3: Finding Percentages To convert values of an amount into percentages. To convert fractions into percentages.	**ADDITIONAL LESSON: Percentages**	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited	**Easter break**
Easter break				

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Summer 1: 28 or 29 lessons (check INSET)				
1 Chapter 9: Geometry *(Factual fluency: including 10%/1% of simple amounts)*				
INSET day school: Belleville, Belleville Wix, The Alton	**Lesson 1: Types of Angles** To know the names and qualities of acute, right, obtuse and reflex angles.	**Lesson 2: Measuring Angles (over 2 days)** To measure angles using a protractor.	**Lesson 2: Measuring Angles (over 2 days)**	**Lesson 3: Measuring Angles at a Point (over 2 days)** To draw, measure and add angles using a protractor.
2 Chapter 9: Geometry				
Lesson 3: Measuring Angles at a Point (over 2 days)	**Lesson 4: Finding Angles at a Point on a Straight Line** To understand that angles at a point on a straight line always sum to 180°.	**Lesson 5: Find Angles around a Point** To understand that angles around a point always sum to 360°.	**Lesson 6: Drawing Lines and Acute Angles** To draw angles using a protractor.	**Lesson 7: Drawing Lines and Obtuse Angles** To draw angles using a protractor.
3 Chapter 9: Geometry *(Factual fluency: including equivalent fractions)*				
Lesson 8: Describing Squares and Rectangles To describe the sides and angles of both rectangles and squares.	**Lesson 9: Angles Inside Quadrilaterals** To investigate the angles of various quadrilaterals, including squares and rectangles.	**Lesson 10: Solving Problems Involving Angles in Quadrilaterals** To solve problems involving angles in rectangles.	**Lesson 12: Regular and Irregular Polygons** To investigate regular polygons.	**Chapter 9 review and consolidation:** To practise various concepts covered in the chapter.
4 Chapter 10: Position and Movement *(Factual fluency: including reading co-ordinates)*				
May Bank holiday	**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.	**Lesson 3: Describing Reflections** To describe movements and reflecting shapes.	**Lesson 4: Describing Reflections** To describe the movement of a 2-D shape when reflected.
5 Chapter10: Position & Movement		**Chapter 11: Measurements** *(FF: including fractions of amounts)*		
Lesson 5:Describing Successive Reflections To reflect a shape more than once.	**Chapter 10 review and consolidation:** To practise various concepts covered in the chapter.	**ADDITIONAL LESSON:** Revisit formal fractions, decimals and/or percentages.	**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.
6 Chapter 11: Measurements *(Factual fluency: including fractions of amounts)*				
Lesson 3: Converting Units of Length To convert units of length.	**Lesson 4 : Converting Units of Mass** To convert units of mass.	**Lesson 5: Converting Volume** To convert litres and millilitres.	**Lesson 6:Converting Metric and Imperial Units of Measure** To convert Imperial and metric units of measure.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.
Break for half term Homework:				

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Summer 2: 37 or 38 lessons (check INSET)				
1 Chapter 11: Measurements ***(Factual fluency: include fractions/percentage of amounts)***				
INSET day school: Churchfields	**Lesson 7:Solving Word Problems** Length, mass and volume	**Lesson 8:Solving Word Problems** Time	**Lesson 9: Reading Temperature** To read the temperature on a thermometer.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.
2 Chapter 12: Area and Perimeter ***(Factual fluency: include converting between fractions, decimals, and percentages)***				
Chapter 11 review and consolidation: To practise various concepts covered in the chapter.	**Lesson 1: Finding the Perimeter** To find the perimeter of shapes.	**Lesson 2:Measuring the Area** To measure the area of squares.	**Lesson 3: Finding the Perimeter of Composite Shapes** To find the perimeter of different shapes.	**Lesson 4: Measuring the Area of Composite Shapes** To measure the area of a shape.
3 (Factual fluency: including rounding measures/ money))				
Revision of formal methods, as appropriate to class (including decimal amounts, where appropriate)	***Revision lesson – fractions, decimals and percentages***	**SUMMER TEST: arithmetic**	**SUMMER TEST: reasoning**	**SUMMER TEST: reasoning**
4 Chapter 12: Area and Perimeter			**Chapter 13: Volume**	
Lesson 5 : Estimating Area and Drawing to Scale To be able to estimate the area of irregular shapes drawn on a grid.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 12 review and consolidation** To practise various concepts covered in the chapter.	**Lesson 1: Understanding the Volume of Solids** To understand the volume of solids.	**Lesson 2: Finding the Volume of Solids in Cubic Units** To find the volume of solids.
5 Chapter 13: Volume ***(Factual fluency: include Roman numerals to 100)***				
Lesson 3: Finding the Capacity of Cuboids To be able to calculate the volume of cuboids as length × breadth × height.	**Lesson 4: Finding the Volume of Liquids** To be able to calculate the capacity of a container in metric units.	**Lesson 5: Solving Word Problems Involving Volume** To solve word problems involving volume.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Chapter 13 review and consolidation** To practise various concepts covered in the chapter.
6 Chapter14:Roman Numerals				
Lesson 1: Writing Roman Numerals to 1000 To write Roman numerals to 1000.	**Lesson 2: Writing Years in Roman Numerals** To write numbers in their thousands in Roman numerals.	**Chapter 14 review and consolidation** To practise various concepts covered in the chapter.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.	**Consolidation day:** To be used if lessons take longer than expected or a topic needs to be revisited.
7				
Revision and Mid-year Tests (B)	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**
8				
Revision and Mid-year Tests (B)	**Revision and Mid-year Tests (B)**	**Revision and Mid-year Tests (B)**	**Summer break**	
Summer break				