

Autumn 1: 33 lessons				
1 Chapter 1: Numbers to 10				
INSET day Q1E	INSET day school	Lesson expectations: Transitions between carpet and tables Books Consolidation Deepening (Worth referencing time from earlier on in the year)	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
2 Chapter 1: Numbers to 10				
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 & words; to count only objects of the same name in a group.	Lesson 3: Writing to 10 over 2 days	Lesson 4: Counting To Zero over 2 days To be able to understand what zero represents and use it when counting.
3 Chapter 1: Numbers to 10				
Lesson 4: Counting To Zero over 2 days	Lesson 5: Comparing Numbers of Objects over 2 days To compare objects using matching and counting; to use the terms 'fewer', 'more' and 'is equal'.	Lesson 5: Comparing Numbers of Objects over 2 days	Lesson 6: Ordering Numbers over 2 days To be able to order numbers to 10 and know which number is greater or is lesser in value.	Lesson 6: Ordering Numbers over 2 days
4 Chapter 1: Numbers to 10			Chapter 2: Number Bonds	
Lesson 7: Comparing Numbers over 2 days To compare numbers using the terms '1 more' and '1 less'.	Lesson 7: Comparing Numbers over 2 days	Chapter 1 review and consolidation To practise various concepts covered in the chapter	Lesson 1: Making Number Bonds over 2 days To understand a number is made up of other numbers; to find other ways as possible to construct a number.	Lesson 1: Making Number Bonds over 2 days (Room to do across 3 days if needed – could use consolidation day).
5 Chapter 2: Number Bonds			Chapter 3: Addition Within 10	
Lesson 2: Making Number Stories over 2 days To use number bonds for storytelling.	Lesson 2: Making Number Stories over 2 days	Chapter 2 review and consolidation To practise various concepts covered in the chapter.	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
6 Chapter 3: Addition Within 10 FF: topics not revisited - shape or complex concepts e.g. missing number equations				
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	Lesson 4: Making Addition Stories over 2 days To be able to make addition stories using correct vocabulary.
7 Chapter 3: Addition Within 10				
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	Chapter 3 review and consolidation To practise various concepts covered in the chapter.	Consolidation To be used if lessons take longer than expected or a topic needs to be revisited.
Half term break				

Autumn 2: 38 lessons				
1 Chapter 4: Subtraction Within 10				
INSET day Q1E	Lesson 1: Subtract by Crossing over 2 days To understand that subtraction can be done by crossing out or taking away.	Lesson 1: Subtract by Crossing over 2 days	Lesson 2: Subtract by Using Number Bonds over 2 days To be able to subtract using number bonds.	Lesson 2: Subtract by Using Number Bonds over 2 days
2 Chapter 4: Subtraction Within 10				
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	Lesson 4: Making Subtraction Stories over 2 days To be able to make subtraction sentences.	Lesson 4: Making Subtraction Stories over 2 days	Lesson 5: Solving picture problems over 2 days To be able to solve picture problems involving subtraction.
3 Chapter 4: Subtraction Within 10				Ch5: Positions
Lesson 5: Solving picture problems over 2 days	Lesson 6: Addition and Subtraction over 2 days To solve problems in the context of add & subtract & to find the corresponding number families.	Lesson 6: Addition and Subtraction over 2 days	Chapter 4 review and consolidation To practise various concepts covered in the chapter.	Lesson 1: Naming Positions To learn the appropriate positional language (ordinal numbers) for up to 10 positions. (FF: Left & right)
4 Chapter 5: Positions		Chapter 6: Numbers to 20		
Lesson 2: Naming Positions in Queues To be able to name the positions in a queue. (NB: No chapter review)	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)
5 Chapter 6: Numbers to 20				
Lesson 3: Comparing numbers To use the terms 'greater than' or 'less than' to compare numbers within 20.	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
6 Chapter 6: Numbers to 20		Chapter 7: Addition and Subtraction Within 20		
Chapter 6 review and consolidation To practise various concepts covered in the chapter.	ADDITIONAL LESSON: Investigating numbers beyond 20	Lesson 1: Add by Counting On To learn to add by counting on from the largest number.	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)
7 Chapter 7: Addition and Subtraction Within 20				
Lesson 3: Add by Adding Ones over 2 days To add by separating the ones and ten. This enables pupils to add the sum of the ones to the ten.	Lesson 3: Add by Adding Ones over 2 days	Lesson 4: Subtract by Counting Back To learn how to subtract by counting back from the largest number	Lesson 5: Subtract by Subtracting Ones To learn how to subtract by subtracting from only the ones column.	Lesson 6: Subtract from 10 (over 2 days) To subtract a certain amount of ones from 10 rather than from the ones, as there are not enough ones.
8 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	Chapter 7 review and consolidation To practise various concepts covered in the chapter	Christmas break
Christmas holiday break				

Spring 1: 24 lessons				
1 Chapter 8: Shapes & Patterns				
INSET day school	Lesson 1: Recognising 3D Shapes To recognise four basic 3-D solid shapes: spheres, cubes, cuboids and pyramids.	Lesson 2: Recognising 2D Shapes To recognise 2-D shapes in the everyday environment.	Lesson 3: Grouping 2-D Shapes To be able to group shapes using different criteria	Lesson 4: Making Patterns To make patterns using common 2-D shapes.
2 Chapter 9: Length and Height				
Chapter 8 review and consolidation To practise various concepts covered in the chapter.	Lesson 1: Comparing Height and Length To compare height and length using key terminology.	Lesson 2: Measuring Length Using Things To measure objects using other items, such as pencils or books. <i>(Practical, no workbook)</i>	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 <u>over 2 days</u> To introduce the concept of using rulers for measuring.
3 Test, review and remediation				
Lesson 4: Measuring Height and Length Using a Ruler <u>over 2 days</u>	Chapter 9 review and consolidation To practise various concepts covered in the chapter.	Revision and Mid-year Test A (REVISION 1) Review and Remediation	Revision and Mid-year Test A Review and Remediation <i>Green pen and teacher led discussion with class</i>	Revision and Mid-year Test A (REVISION 2) Review and Remediation
4 Chapter 10: Numbers to 40				
Revision and Mid-year Test A Review and Remediation <i>Green pen and teacher led discussion with class</i>	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)
5 Chapter 10: Numbers to 40				
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.	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)
Break for half term				

Spring 2: 29 lessons				
1 Chapter 10: Numbers to 40				
<p>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.</p>	<p>Lesson 5: Finding How Much More (over 2 days)</p>	<p>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.</p>	<p>Lesson 6: Making Number Patterns (over 2 days)</p>	<p>Chapter 10 review and consolidation To practise various concepts covered in the chapter.</p>
2 Chapter 11: Addition and Subtraction Word Problems				
<p>Revisit numbers to 40 with Dienes (and above, according to class needs)</p>	<p>Lesson 1: Solving Word Problems (over 2 days) To decide whether add or subtract is most appropriate operation; to use & apply number bonds & visual representations to solve word problems.</p>	<p>Lesson 1: Solving Word Problems (over 2 days)</p>	<p>Lesson 2: Solving Word Problems 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. (NB: No activity time)</p>	<p>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.</p>
3 Chapter 11: Addition and Subtraction Word Problems				
<p>Lesson 3: Solving Word Problems (over 2 days)</p>	<p>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.</p>	<p>Lesson 4: Solving Word Problems (over 2 days)</p>	<p>SPRING TEST: arithmetic</p>	<p>SPRING TEST: reasoning</p>
4 Ch 11: Addition & Subtraction Word Problems		Chapter 12: Multiplication		
<p>Lesson 5: Solving Word Problems over 2 days To use visual represent & patterns to solve word problems; to develop precision in model drawing to recognise similarities and differences.</p>	<p>Lesson 5: Solving Word Problems over 2 days (NB: No chapter review)</p>	<p>Lesson 1: Making Equal Groups To identify equal groups as 1st step in multiplying; to reinforce the arrangement of objects does not impact their number.</p>	<p>Lesson 2: Adding Equal Groups To count groups of the same quantity more efficiently; to find multiple ways of counting groups of same quantity.</p>	<p>Lesson 3: Making Equal Rows To organise objects into equal rows in order to begin counting equal numbers efficiently.</p>
5 Chapter 12: Multiplication				
<p>Lesson 4: Making Doubles 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.</p>	<p>Lesson 5: Solving Word Problems (over 2 days) To solve word problems using equal groupings as the basis for multiplication.</p>	<p>Lesson 5: Solving Word Problems (over 2 days)</p>	<p>Chapter 12 review and consolidation To practise various concepts covered in the chapter.</p>	<p>Lesson 1: Grouping Equally over 2 days To divide even numbers into equal groups using concrete materials; to determine how many groups will be created from sharing equally.</p>
6 Ch12: Multiplication		Chapter 13: Division		
<p>Lesson 1: Grouping Equally over 2 days</p>	<p>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.</p>	<p>Lesson 2: Sharing Equally Over 2 days</p>	<p>Consolidation To be used if lessons take longer than expected or a topic needs to be revisited.</p>	<p>Easter break</p>
Easter break				

Summer 1: 28 or 29 lessons (check INSET)				
1 Chapter 14: Fractions				
INSET day school: Belleville, Belleville Wix, The Alton Churchfields: Revisit division and complete Chapter 13 review and consolidation	Lesson 1: Making Halves To split an object (shape) into two equal parts; to identify shapes that have been split into two equal parts.	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) Focus on quartering numbers	Lesson 3: Sharing and Grouping (over 2 days) To share and group objects into halves & quarters; to find half of a number and a quarter of a number.
2 Chapter 14: Fractions		Chapter 15: Numbers to 100		
Lesson 3: Sharing and Grouping (over 2 days)	Consolidation (**Or use to recap numbers to 40) To be used if lessons take longer than expected or a topic needs to be revisited.	Chapter 14 review and consolidation To practise various concepts covered in the chapter. (**Could do before consolidation lesson)	Explore numbers to 100	Explore numbers to 100
3 Chapter 15: Numbers to 100				
Lesson 1: Counting to 100 (over 2 days) To count in sequences of 10 continuing by counting ones; to increase confidence with number lines & Dienes to count numbers to 100	Lesson 1: Counting to 100 (over 2 days)	Lesson 2: Finding Tens and Ones over 2 days To understand the value of the tens and ones digits in a number; to use multiple methods of representing and constructing a number.	Lesson 2: Finding Tens and Ones over 2 days	Lesson 3: Comparing Numbers (over 2 days) To review and extend skills and strategies related to number comparison; to place numbers in order from smallest to greatest and vice versa.
4 Chapter 15: Numbers to 100				
May Bank holiday	Lesson 3: Comparing Numbers (over 2 days)	Lesson 4: Making Number Patterns (over 2 days) To see patterns of numbers when increasing or decreasing by 1, 2 or 5; to use a number line, a 100-chart and Dienes to represent numbers.	Lesson 4: Making Number Patterns (over 2 days)	Chapter 15 review and consolidation To practise various concepts covered in the chapter.
5 Chapter 16: Time				
Lesson 1: Telling Time to the Hour (over 2 days) To develop familiarity with the analogue clock, including the minute and hour hands; to tell time to the hour on an analogue clock.	Lesson 1: Telling Time to the Hour (over 2 days)	Lesson 2: Telling Time to the Half Hour (over 2 days) To improve familiarity with the analogue clock; to tell time to the half hour using the term 'half past'.	Lesson 2: Telling Time to the Half Hour (over 2 days)	Consolidation To be used if lessons take longer than expected or a topic needs to be revisited.
6 Chapter 16: Time				
ADDITIONAL LESSON: Drawing hands on clock (o'clock)	ADDITIONAL LESSON: Drawing hands on clock (half past)	Lesson 3: Ordering Events To sequence events in order of time; to use the terms 'next,' 'before' and 'after' to describe the order of events.	Lesson 4: Estimating Duration of Time To estimate an amount of time using seconds, minutes and hours.	Lesson 5: Comparing Time To use the terms 'quicker', 'slower', 'earlier' and 'later' when comparing time.
Break for half term Homework: Drawing hands on clock (o'clock and half past)				

Summer 2: 37 or 38 lessons (check INSET)				
1				
INSET day school: Churchfields Belleville, Belleville Wix, The Alton: Revisit division and complete Chapter 13 review and consolidation	Chapter 16: Time Lesson 6: Using a Calendar To learn the days of the week and the months of the year and to be able to put them in the correct order.	Chapter 16 review and consolidation To practise various concepts covered in the chapter.	Chapter 17: Money Lesson 1: Recognising Coins To recognise coins & determine their value using size, colour, markings and shape.	Lesson 2: Recognising Notes over 2 days To recognise notes and determine their value using colour and markings.
2 Ch.17: Money			Chapter 18: Volume & Capacity	
Lesson 2: Recognising Notes over 2 days	ADDITIONAL LESSON: recognize money, incl. value of coins and equivalent value in differing combinations.	Chapter 17 review and consolidation To practise various concepts covered in the chapter.	ADDITIONAL LESSON: Revisit number bonds to 20 and numbers to 100	Lesson 1: Comparing Volume and Capacity over 2 days To compare volume and capacity using the terms 'more than' and 'less than', 'full' and 'empty.'
3 Chapter 18: Volume & Capacity				
Lesson 1: Comparing Volume and Capacity over 2 days	Lesson 2: Finding Volume and Capacity To find the capacity of a container using non-standard units.	Lesson 3: Describing Volume Using Half and a Quarter To describe volume using the terms 'half' and 'quarter'.	Consolidation To be used if lessons take longer than expected or a topic needs to be revisited.	Chapter 18 review and consolidation To practise various concepts covered in the chapter.
4				
ADDITIONAL LESSON: Revisit number bonds to 20 and numbers to 100	SUMMER TEST: arithmetic	SUMMER TEST: reasoning	Lesson 1: Comparing Mass To compare the mass of objects using the terms 'heavy' and 'light', 'heavier than', 'lighter than' and 'as heavy as'.	Lesson 2: Finding Mass To find the mass of an object using non-standard units; to use visualisation skills to estimate the number of units
5 Chapter 19: Mass				
Lesson 3: Finding and Comparing Mass To be able to find and compare the mass of a range of objects using non-standard units.	Chapter 19 review and consolidation To practise various concepts covered in the chapter.	Lesson 1: Describing Positions over 2 days To describe the position of objects in relation to one another using varied vocabulary.	Lesson 1: Describing Positions over 2 days	Lesson 2: Describing Movements over 2 days To describe movements of objects using varied language.
6 Chapter 20: Space				
Lesson 2: Describing Movements over 2 days	Lesson 3: Making Turns over 2 days To understand how to make turns using mathematical language and connecting this knowledge to time.	Lesson 3: Making Turns over 2 days	ADDITIONAL LESSON: ¼ turns	ADDITIONAL LESSON: ¼ turns
7 Test, review and remediation				
Chapter 20 review and consolidation To practise various concepts covered in the chapter.	Revision and Mid-year Test B Review and Remediation	Revision and Mid-year Test B Review and Remediation	Revision and Mid-year Test B Review and Remediation	Revision and Mid-year Test B Review and Remediation
8 Test, review and remediation				
Revision and Mid-year Test B Review and Remediation	Revision and Mid-year Test B Review and Remediation	Revision and Mid-year Test B Review and Remediation	Summer break	
Summer break				