Year 1 End of Unit Milestones

Autumn Term – TEXTBOOK 1A
Chapter 1 Number and Place Value: Numbers to 10

By the end of this unit, children will be able to:
- count numbers to 10 accurately – forward and backward
- count similar objects up to 10 with accuracy and fluency
- write all numbers to 10 with numerals and in words
- count only objects of the same name in a group
- understand what zero represents and use it when counting
- compare different sets of objects and say which one has fewer, more or is equal.
- order numbers to 10 and know which number is greater or is lesser in value
- compare numbers using the terms '1 more' and '1 less'.

Autumn Term – TEXTBOOK 1A
Calculations: Addition and Subtraction
Chapter 2: Number Bonds

By the end of this unit, children will be able to:
- understand that a number is made up of other numbers
- find as many ways possible to construct a number.
- use number bonds for storytelling

Chapter 3: Addition within 10

By the end of this unit, children will be able to:
- add two different numbers within 10
- use vocabulary associated with addition
- add by counting on
- complete number sentences and gain an understanding of inverse operations
- make addition stories using correct vocabulary
- solve addition problems through pictures.

Chapter 4: Subtraction within 10

By the end of this unit, children will be able to:
- understand that subtraction can be done by crossing out or taking away

- subtract using number bonds
- solve a subtraction equation by counting back, using a number line as support
- make subtraction sentences
- solve picture problems involving subtraction
- solve problems in the context of addition and subtraction and to find the corresponding number families.

Autumn Term – TEXTBOOK 1A

Chapter 5: Geometry: Position and Direction: Positions

By the end of this unit, children will be able to:
- use the appropriate positional language (ordinal numbers) for up to 10 positions
- name the positions in a queue
- name positions, including left and right.

Autumn Term – TEXTBOOK 1A

Chapter 6 Number and Place Value: Numbers to 20

By the end of this unit, children will be able to:
- count numbers up to 20
- recognise, read and write numbers up to 20 in words and numerals
- use the terms 'greater than' or 'less than' to compare numbers within 20
- arrange numbers up to 20 in ascending and descending order
- look for patterns with numbers up to 20, focusing on one more and one less than a number.

Spring Term – TEXTBOOK 1A

Chapter 7 Calculation: Addition and Subtraction within 20

By the end of this unit, children will be able to:
- add by counting on from the largest number
- add to numbers by first making 10 and then adding on the remainder
- add by separating the ones and ten
- subtract by counting back from the largest number
- subtract by subtracting from only the ones column.

SpringTerm – TEXTBOOK 1A

Chapter 8 Geometry: Shapes and Patterns

By the end of this unit, children will be able to:
- recognise four basic 3-D solid shapes: spheres, cubes, cuboids and pyramids.
- recognise 2-D shapes in the everyday environment
- group shapes using different criteria
- make patterns using common 2-D shapes.

Spring Term – TEXTBOOK 1A

Chapter 9 Measurement: Length and Height

By the end of this unit, children will be able to:
- compare height and length by using key terminology
- measure objects using other items, such as pencils or books
- measure items using other things - parts of the body in particular
- introduce the concept of using rulers for measuring.

Spring Term – TEXTBOOK 1B

Chapter 10 Number and Place Value: Numbers to 40

By the end of this unit, children will be able to:
- use the making 10 strategy to count numbers above 10; to represent numbers on a number line
- use the ten-frame method of organisation and place-value cards to assist pupils in writing numbers to 40
- use multiple ways of counting, including counting by 2, 5 and 10
- understand that digits represent tens and ones; to represent numbers using Base 10 materials and numbers
- use place value to compare two or three numbers and determine which number is greater/smaller
- compare numbers using number bonds, 100-squares and number lines to determine how much more/less
- use number lines in conjunction with number squares in order to create visual proportionality

Spring Term – TEXTBOOK 1B

Chapter 11 Calculations: Addition and Subtraction Word Problems

By the end of this unit, children will be able to:
- decide whether addition or subtraction is the most appropriate operation; to use and apply number bonds and visual representations to solve word problems.
- use and apply concepts of how many more and how many fewer/less
- apply number bonds and the guess-and-check method to solve word problems
- develop number sentences based on word problems
- improve the use of number bonds and one-to-one bar model
- use pictorial representations to help solve word problems
- choose the correct operation to solve a word problem.

Spring Term – TEXTBOOK 1B

Chapter 12 Calculations: Multiplication

By the end of this unit, children will be able to:
- identify equal groupings as the first step in multiplying
- reinforce the idea that the arrangement of objects does not impact on the number of objects
- understand we can count groups of the same quantity more efficiently
- find multiple ways of counting groups of the same quantity
- organise objects into equal rows in order to begin counting equal numbers efficiently
- understand that doubling is creating an identical number to the one you started with
- understand that doubling is the same as saying two groups of the same amount.

Summer Term – TEXTBOOK 1B

Chapter 13 Calculations: Division

By the end of this unit, children will be able to:
- understand how to divide even numbers into equal groups using concrete materials
- determine how many groups will be created from sharing equally
- understand how to divide even numbers equally into groups
- determine how many objects will be included in each group in order to share equally

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Summer Term – TEXTBOOK 1B

Chapter 14 Fractions

By the end of this unit, children will be able to:
- split an object (shape) into two equal parts
- identify shapes that have been split into two equal parts

- split an object (shape) into four equal parts
- identify shapes that have been split into four equal parts
- share and group objects into halves and quarters
- determine half of a number and a quarter of a number.

Summer Term – TEXTBOOK 1B
Chapter 15 Number and Place Value: Numbers to 100.
By the end of this unit, children will be able to:

- count in sequences of 10 followed by counting ones
- increase confidence with number lines and Base 10 materials in order to count numbers to 100
- understand the value of the tens and ones digits in a number
- use multiple methods of representing and constructing a number
- to place numbers in order from smallest to greatest and vice versa
- see patterns of numbers when increasing or decreasing by 1, 2 or 5
- use a number line, a 100-chart and Base 10 materials to represent numbers.

Summer Term – TEXTBOOK 1B
Chapter 16 Measurement: Time
By the end of this unit, children will be able to:

- develop familiarity with the analogue clock, including the minute and hour hands
- tell time to the hour on an analogue clock
- tell time to the half hour using the term 'half past
- sequence events in order of time
- use the terms 'next', 'before' and 'after' to describe the order of events
- estimate an amount of time using seconds, minutes and hours
- use the terms 'quicker', 'slower', 'earlier' and 'later' when comparing time
- know the days of the week and the months of the year and to be able to put them in the correct order.

Summer Term – TEXTBOOK 1B
Chapter 17 Measurement: Money
By the end of this unit, children will be able to:

- recognise coins and determine their value using size, colour, markings and shape

● recognise notes and determine their value using colour and markings.

Summer Term – TEXTBOOK 1B
Chapter 18 Measurement: Volume and Capacity
By the end of this unit, children will be able to: ● compare volume and capacity using the terms 'more than' and 'less than', 'full' and 'empty' ● find the volume and capacity of a container using non-standard ones ● describe volume using the terms 'half' and 'quarter'.

Summer Term – TEXTBOOK 1B
Chapter 19 Measurement: Mass
By the end of this unit, children will be able to: ● compare the mass of objects using the terms 'heavy' and 'light', 'heavier than', 'lighter than' and 'as heavy as' ● find the mass of an object using non-standard ones; to use visualisation skills to estimate the number of ones.

Summer Term – TEXTBOOK 1B
Chapter 20 Geometry: Space
By the end of this unit, children will be able to: ● describe the position of objects in relation to one another using varied vocabulary ● describe movements of objects using varied language ● understand how to make turns using mathematical language and connect this knowledge to time.