



**KS1 and KS2 Mathematics LTP  
2022-2023**

## Mathematics Planning:

- Work through the units at the pace of the children; question by question.
- Look out for prior lesson activities: make sure these are planned for and carried out.
- Lesson structure should be planned as followed:
  - Counting activity
  - Quick Maths (KS2)
  - Activities for whole-class instruction (Discover and share) (include suitable Kagan Structures where possible)
  - Work through questions with children- I do, we do, you do (Think together)
  - All children to complete independent tasks
  - Move on to Mastery Check and Deeper Learning questions.
  - End of Unit Check to be attempted by all children.
  - Shine intervention to be delivered by teacher at the end of each school day to those children who have been identified.
  - Arithmetic lessons should be planned each week. This should be a planned and taught lesson with clear learning objectives. The test must form part of the independent work. Errors and misconceptions should be addressed accordingly; as should same-day intervention from this.
  - White Rose and/or NCETM resources for Deeper Learning should be incorporated where necessary to challenge the more-able EVERY day.
  - Mastering Number NCETM programme (R-1)

## Key Stage 1

<b>Year Group</b>	<b>Autumn- Textbook A</b>	<b>Spring- Textbook B</b>	<b>Summer- Textbook C</b>
1	Unit 1: Numbers to 10 Unit 2: Part-whole within 10 Unit 3: Addition within 10 Unit 4: Subtraction within 10 Unit 5: 2D and 3D shapes	Unit 6: Numbers to 20 Unit 7: Addition and subtraction within 20 Unit 8: Numbers to 50 Unit 9: Introducing length and height Unit 10: Introducing weight and volume	Unit 11: Multiplication and division Unit 12: Halves and quarters Unit 13: Position and direction Unit 14: Numbers to 100 Unit 15: Money Unit 16: Time
2	Unit 1: Numbers to 100 Unit 2: Addition and subtraction (1) Unit 3: Addition and subtraction (2) Unit 4: Properties of shapes	Unit 5: Money Unit 6: Multiplication and division (1) Unit 7: Multiplication and division (2) Unit 8: Length and height Unit 9: Mass, capacity and temperature	Unit 10: Statistics Unit 11: Fractions Unit 12: Position and direction Unit 13: Time Unit 14: Problem solving

## Lower Key Stage 2

<b>Year Group</b>	<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
3	Unit 1: Place value within 1000 Unit 2: Addition and subtraction (1) Unit 3: Addition and subtraction (2) Unit 4: Multiplication and division (1) Unit 5: Multiplication and division (2)	Unit 6: Multiplication and division (3) Unit 7: Length and perimeter Unit 8: Fractions (1) Unit 9: Mass Unit 10: Capacity	Unit 11: Fractions (2) Unit 12: Money Unit 13: Time Unit 14: Angles and properties of shapes Unit 15: Statistics
4	Unit 1: Place value: 4-digit numbers (1) Unit 2: Place value: 4-digit numbers (2) Unit 3: Addition and subtraction Unit 4: Measure: area Unit 5: Multiplication and division (1)	Unit 6: Multiplication and division (2) Unit 7: Perimeter Unit 8: Fractions (1) Unit 9: Fractions (2) Unit 10: Decimals (1)	Unit 11: Decimals (2) Unit 12: Money Unit 13: Time Unit 14: Geometry- angles and 2D shapes Unit 15: Statistics Unit 16: Position and direction

## Upper Key Stage 2

Year Group	Autumn	Spring	Summer
<b>5</b>	Unit 1: Place value: within 1, 000,000 Unit 2: Place value: within 1, 000,000 Unit 3: Addition and subtraction Unit 4: Multiplication and division (1) Unit 5: Fractions (1) Unit 6: Fractions (2)	Unit 7: Multiplication and division (2) Unit 8: Fractions (3) Unit 9: Decimals and percentages Unit 10: Measure- perimeter and area Unit 11: Graphs and tables	Unit 12: Geometry- properties of shapes Unit 13: Geometry- position and direction Unit 14: Decimals Unit 15: Negative numbers Unit 16: Measure- converting units Unit 17: Measure- volume and capacity
<b>6</b>	Unit 1: Place value within 10, 000, 000 Unit 2: Four operations (1) Unit 3: Four operations (2) Unit 4: Fractions (1) Unit 5: Fractions (2) Unit 14: Position and direction	Unit 6: Measure: imperial and metric measures Unit 7: Ratio and proportion Unit 8: Algebra Unit 9: Decimals Unit 10: Percentages Unit 11: Measure- perimeter, area and volume Unit 12: Statistics Unit 13: Geometry- properties of shape Unit 15: Problem solving	Unit 8: Algebra Unit 11: Measure- perimeter, area and volume Unit 12: Statistics Unit 13: Geometry- properties of shape Unit 15: Problem solving