

| Nursery |                       | Week 1                | Week 2  | Week 3   | Week 4  | Week 5                                | Week 6  | Week 7                            | Week 8   | Week 9                           | Week 10  | Week 11   | Week 12   |
|---------|-----------------------|-----------------------|---|--|---|---------------------------------------|---|-----------------------------------|--|----------------------------------|--|---|---|
| Autumn  | Master the curriculum | Colours               |   | Matching   |   | Sorting                               |   | Number 1                          | Number 2 Subitising  | Number 2                         | Pattern 1  | Pattern 2   | Consolidation Activities - Winter activity week |
|         |                       | Red<br>Blue<br>Yellow | Green Purple<br>Mix of colours                      | Buttons / colours<br>Matching towers<br>Matching shoes | Match number shapes<br>Match shapes<br>Pattern handprints – big and small | Colour<br>Size<br>Shape               | What do you notice?<br>Guess the rule<br>Guess the rule | Subitising<br>Counting<br>Numeral | Subitising dice pattern<br>Subitising random pattern<br>Subitising different sizes | Counting<br>Numeral              | Extend AB<br>Colour patterns<br>Extend AB<br>Outdoor Patterns<br>AB<br>Movement Patterns | Fix my Pattern<br>Extend ABC<br>Colour patterns<br>Extend ABC<br>Outdoor Patterns |   |
| Spring  | Master the curriculum | Number 3 Subitising   | Number 3  | Number 4   | Number 4 Composition  | Number 5                              | Number 5 Composition                                    | Consolidate 1 - 5                 | Number 6   | Height & Length • t              | Mass   | Capacity  | Consolidation Activities                        |
|         |                       |                       | 3 Little Pigs<br>1:1 Counting Numerals<br>Triangles | 1:1<br>Counting Numerals<br>Squares<br>Rectangles      |   | 1:1<br>Counting Numerals<br>Pentagons |   |                                   | Introduce 10 frame   | Tall and short<br>Long and short | Relate to books<br>3 Little Pigs<br>Goldilocks   |   |   |

St Dennis Primary Academy  
Mathematics Long Term Plan



| Summer | Master the curriculum | More than/fewer than | One more | One less | Shape – 2D | Shape – 3D | Consolidation               | Number composition          | Night and Day                         | Positional language |   | Consolidation / Activity Weeks /Transition |  |
|--------|-----------------------|----------------------|----------|----------|------------|------------|-----------------------------|-----------------------------|---------------------------------------|---------------------|---|--|--|
|        |                       |                      |          |          |            |            | Revisit pattern from Autumn | Revisit pattern from Autumn | More than/fewer One more and one less | 1 – 5 Revision      | Order events in their day at Nursery<br>What happens at day/night |  |  |

| Reception |                  |  |  |  |   |   |               |               |   |  |  |  |   |               |               |  |
|-----------|------------------|--|--|--|---|---|---------------|---------------|---|--|--|--|---|---------------|---------------|--|
| Autumn    | Mastering Number | Baseline   |  |  | Counting  |   |               | Consolidation | Week 1<br>Subitising<br>1-3<br>Matching sets<br>Naming quantities<br>Representing numbers   | Week 2<br>Counting, cardinality and ordinality<br>1-5<br>Number rhymes<br>1:1 correspondence                         | Week 3<br>Composition<br>3 and 4<br>Part-whole relations | Week 4<br>Subitising<br>1-4<br>Perceptual Subitising<br>Subgroups                                      | Week 5<br>Comparison<br>1-5<br>More than and fewer than   | Consolidation | Consolidation |  |
|           | White Rose       | Getting to know you  |  |  | Just like me<br>Match and sort<br>Compare amounts<br>Compare size, mass and capacity<br>Exploring pattern |   |               |               | It's me 1,2,3<br>Representing 1, 2 and 3<br>Comparing 1, 2 and 3<br>Composition of 1, 2 and 3<br>Circles and triangles<br>Positional language |  |  | Light and dark<br>Representing numbers to 5<br>One more and one less<br>Shapes with four sides<br>Time |   |               |               |  |
| Spring    | Mastering Number | Week 6<br>Counting, cardinality and ordinality<br>5<br>Understanding and exploring 5 | Week 7<br>Comparison<br>1-4<br>Fewer than and more than<br>Objects into sets | Week 8<br>Composition<br>1-5<br>Wholes and parts | Week 9<br>Composition<br>3-5<br>Composing and decomposing numbers   | Week 10<br>Counting, cardinality and ordinality<br>1-10<br>Counting sequence to 10<br>Representing quantities | Consolidation |               | Week 11<br>Subitising<br>Perceptual subitising<br>Recognising numerals<br>Match numerals to quantities  | Week 12<br>Counting, cardinality and ordinality<br>1-5<br>Ordering numbers<br>One more<br>Representations of numbers | Week 13<br>Composition<br>5<br>Partitioning              | Week 14<br>Composition<br>6 and 7<br>Die frames<br>Die patterns  | Week 15<br>Comparison<br>More than<br>Fewer than<br>Equal | Consolidation |               |  |

|        |                  |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |
|--------|------------------|--|---|--|---|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|
| Summer | White Rose       | <b>Alive in 5</b><br>Introducing zero<br>Comparing numbers to 5<br>Composition of 4 and 5<br>Compare mass (2)<br>Compare capacity (2)      |   |  |   |   | <b>Growing 6, 7, 8</b><br>6, 7 and 8<br>Making pairs<br>Combining 2 groups<br>Length and height<br>Time    |  |  |  |  | <b>Building 9 and 10</b><br>9 and 10<br>Comparing numbers to 10<br>Bonds to 10<br>3d-shape<br>Pattern                      |  |  |  |  | <b>Consolidation</b>  |  |  |  |  |
|        | Mastering Number | Week 16<br><b>Counting, cardinality and ordinality</b><br>1-5<br>Counting principles<br>Ordering numbers<br>1 more and 1 less              | Week 17<br><b>Comparison</b><br>6-10<br>Ordering numbers<br>Relationships between numbers | Week 18<br><b>Composition</b><br>7<br>Creating 7<br>Conceptual subitising<br>Visual arrangements | Week 19<br><b>Subitising</b><br>1-8<br>Doubling | Week 20<br><b>Composition</b><br>1-10<br>Odds and evens<br>Doubling | <b>Consolidation</b>   |  |  |  |  | Week 21<br><b>Counting, cardinality and ordinality</b><br>Counting   | Week 22<br><b>Subitising</b><br>1-10<br>Arrangements<br>Rhythmic patterns<br>Doubles | Week 23<br><b>Composition</b><br>5<br>Doubles patterns<br>Representing numbers | Week 24<br><b>Composition</b><br>1-10<br>Ten frames<br>Making 10 | Week 25<br><b>Comparison</b><br>1-10<br>Missing numbers<br>Ordering numbers<br>Number tracks | <b>Consolidation</b>  |  |  |  |  |
|        | White Rose       | <b>To 20 and beyond</b><br>Building numbers beyond 10<br>Counting patterns beyond 10<br>Spatial reasoning (1)<br>Match, rotate, manipulate |   |  |   |   | <b>First, then and now</b><br>Adding more<br>Taking away<br>Spatial reasoning (2)<br>Compose and decompose |  |  |  |  | <b>Find my pattern</b><br>Doubling<br>Sharing and grouping<br>Even and odd<br>Spatial reasoning (3)<br>Visualise and build |  |  |  |  | <b>On the move</b><br>Deepening understanding<br>Patterns and relationships<br>Spatial reasoning<br>Mapping |  |  |  |  |

| Year 1 | Week 1                              | Week 2 | Week 3 | Week 4                                       | Week 5 | Week 6                                       | Week 7                           | Week 8 | Week 9                         | Week 10           | Week 11                      | Week 12                      | Assessment Week              |
|--------|-------------------------------------|--------|--------|--|--------|--|----------------------------------|--------|--------------------------------|-------------------|------------------------------|------------------------------|------------------------------|
| Autumn | Number: Place Value (within 10)     |        |        |  |        | Number: Addition and subtraction (within 10) |                                  |        |                                |                   | Geometry : Shape             | Assessment and Consolidation |                              |
| Spring | Number: Place Value (within 20)     |        |        | Number: Addition and subtraction (within 20) |        |  | Number: Place Value (within 50)  |        | Measurement: Length and height |                   | Measurement: Mass and volume |                              | Assessment and Consolidation |
| Summer | Number: Multiplication and division |        |        | Number: Fractions                            |        | Geometry : Position and Direction            | Number: Place value (within 100) |        | Measurement: Money             | Measurement: Time |                              | Assessment and Consolidation |                              |

| Year<br>2 | Week 1                | Week 2                                    | Week 3                              | Week 4                                   | Week 5                           | Week 6                                    | Week 7                     | Week 8                                  | Week 9                                    | Week 10   | Week 11                                      | Week 12                                 | Assessment<br>Week |
|-----------|-----------------------|---|-------------------------------------|--|----------------------------------|---|----------------------------|---|---|---|--|---|--------------------|
| Autumn    | Number: Place Value   |   |                                     |  | Number: Addition and Subtraction |   |                            |   |   | Geometry: Shape                                   | Number:<br>Addition<br>and<br>Subtraction    | A<br>Assessment<br>and<br>Consolidation |                    |
| Spring    | Measurement:<br>Money | Number:<br>Addition<br>and<br>Subtraction | Number: Multiplication and Division |  |                                  |   |                            | Measurement:<br>Length<br>and<br>Height | Number:<br>Addition<br>and<br>Subtraction | Measurement:<br>Mass, capacity and<br>temperature | Number:<br>Multiplication<br>and<br>Division | Assessment<br>and<br>Consolidation      |                    |
| Summer    | Number- Fractions     |   | Measurement:<br>Time                | Number:<br>4<br>Operations/<br>Fractions | Statistics                       | Geometry:<br>Position<br>and<br>Direction | Number:<br>4<br>Operations | Assessment                              |   | (Consolidation of<br>Measurement) and<br>Number   |  | Assessment and<br>Consolidation         |                    |

| Year<br>3 | Week 1                              | Week 2             | Week 3                  | Week 4                   | Week 5                            | Week 6                           | Week 7 | Week 8          | Week 9                         | Week 10                     | Week 11 | Week 12                      | Assessment Week |
|-----------|-------------------------------------|--------------------|-------------------------|--------------------------|-----------------------------------|----------------------------------|--------|-----------------|--------------------------------|-----------------------------|---------|------------------------------|-----------------|
| Autumn    | Number: Place Value                 |                    |                         | Addition and Subtraction |                                   |                                  |        |                 | Addition and Subtraction       | Multiplication and division |         | Assessment and Consolidation |                 |
| Spring    | Number: Multiplication and Division |                    |                         |                          | Measurement: Length and Perimeter | Number: Fractions                |        |                 | Measurement: Mass and Capacity |                             |         | Assessment and Consolidation |                 |
| Summer    | Number: Fractions                   | Measurement: Money | Number-<br>4 operations | Measurement: Time        |                                   | Number: Addition and Subtraction |        | Geometry: Shape | Statistics                     | Number: 4 Operations        |         | Assessment and Consolidation |                 |

| Year 4 | Week 1                              | Week 2 | Week 3                            | Week 4                           | Week 5            | Week 6            | Week 7                              | Week 8               | Week 9           | Week 10    | Week 11 | Week 12                          | Assessment Week              |  |
|--------|-------------------------------------|--------|-----------------------------------|----------------------------------|-------------------|-------------------|-------------------------------------|----------------------|------------------|------------|---------|----------------------------------|------------------------------|--|
| Autumn | Number: Place Value                 |        |                                   | Number: Addition and Subtraction |                   | Measurement: Area | Number: Multiplication and Division |                      |                  |            |         | Assessment and Consolidation     |                              |  |
| Spring | Number: Multiplication and Division |        | Measurement: length and perimeter | Number: Fractions                |                   |                   |                                     |                      | Number: Decimals |            |         | Assessment and Consolidation     |                              |  |
| Summer | Number: Decimals                    |        | Measurement: Money                |                                  | Measurement: Time | Geometry: Shape   |                                     | Number: 4 Operations |                  | Statistics |         | Geometry: Position and direction | Assessment and Consolidation |  |

| Year<br>5 | Week 1                              | Week 2 | Week 3                           | Week 4 | Week 5                              | Week 6 | Week 7                   | Week 8                          | Week 9                        | Week 10                      | Week 11                      | Week 12                      | Assessment<br>Week |
|-----------|-------------------------------------|--------|----------------------------------|--------|-------------------------------------|--------|--------------------------|---------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|--------------------|
| Autumn    | Number: Place Value                 |        | Number: Addition and Subtraction |        | Number: Multiplication and Division |        | Number: Fractions A      |                                 |                               | Assessment and Consolidation |                              |                              |                    |
| Spring    | Number: Multiplication and Division |        | Number: Fractions B              |        | Number: Decimals and Percentages    |        |                          | Measurement: Perimeter and Area |                               | Statistics                   |                              | Assessment and Consolidation |                    |
| Summer    | Geometry: Properties of Shape       |        | Geometry: Position and Direction |        | Number: Decimals                    |        | Number: Negative numbers |                                 | Measurement: Converting units | Measurement: Volume          | Assessment and Consolidation |                              |                    |

| Year<br>6 | Week 1              | Week 2 | Week 3   | Week 4           | Week 5     | Week 6                                      | Week 7                           | Week 8                                  | Week 9                        | Week 10                      | Week 11 | Week 12                                | Assessment Week              |
|-----------|---------------------|--------|--|------------------|------------|---|----------------------------------|---|-------------------------------|------------------------------|---------|--|------------------------------|
| Autumn    | Number: Place Value |        | Number: Addition, Subtraction, Multiplication and Division |                  |            |   |                                  | Number : Fractions A                    | Number: Fractions B           |                              |         | Measurement: Converting Units          | Assessment and Consolidation |
| Spring    | Number: Ratio       |        | Number: Algebra  | Number: Decimals |            | Number: Fractions, Decimals and Percentages |                                  | Measurement: Perimeter, Area and Volume |                               | Assessment and Consolidation |         |  |                              |
| Summer    | Consolidation       |        |  | SATS             | Statistics |   | Geometry: Position and direction |   | Geometry: Properties of Shape |                              |         | Investigations and preparation for KS3 |                              |