



# Rawmarsh Ryecroft Infants School Curriculum Map



## Maths

### Values and Vision

#### "Secure, Happy and Successful"

**Resilience** - I always keep going

**Respect** - I value everybody and everything

**Care** - I look after my world and the people in it.

**Achievement** - I try to be the best I can be

**Community** - I am proud of where I belong

### Intent

Children will receive a high quality mathematics education that aims encourage children to have a sense of enjoyment and curiosity about the subject. We aim to provide children with the necessary skills so that they are able to recall and apply their knowledge rapidly and accurately and have the ability to reason mathematically.

### Implementation

At Ryecroft, children will be taught through daily maths lessons focussing both on key skills, mental fluency and reasoning to challenge and develop understanding. During lessons, 'immediate feedback' and 'same day' interventions are used to ensure misconceptions are quickly addressed. Children are encouraged to explain their understanding age appropriately. Maths is taught through differentiated groupings with weekly homework to consolidate learning.

### Impact

Children will have developed a deep and secure knowledge and understanding of Mathematics. Children will become fluent with their mathematics skills and be able to apply their knowledge in a range of contexts. Children's progress is tracked, monitored and interventions are used to ensure children make progress and children are competent mathematicians ready for the next phase of their education.

|  | Taught Through | Objectives (NC and ELG) | Disciplinary Knowledge | Substantive Knowledge | Vocabulary |
|--|----------------|-------------------------|------------------------|-----------------------|------------|
|  |                |                         |                        |                       |            |

|     |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                |
|-----|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FS2 | Maths is taught discretely and within daily maths sessions | <p><b>ELG M</b><br/> <b>N</b> - Have a deep understanding of number to 10, including the composition of each number.</p> <p><b>N</b> - Subitise (recognise quantities without counting) up to 5.</p> <p><b>N</b> - Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.</p> <p><b>NP</b> - Verbally count beyond 20, recognising the pattern of the counting system.</p> <p><b>NP</b> - Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.</p> <p><b>NP</b> - Explore and represent patterns within numbers up to 10, including</p> | <p><b><u>Number</u></b></p> <p>I can solve real world mathematical problems with numbers up to 10, including using addition and subtraction.</p> <p>I can explore the composition of numbers to 10 and automatically recall number bonds.</p> <p>I can recognise quantities up to 5 without counting.</p> <p>I can link a numeral with its cardinal number value.</p> <p><b><u>Numerical Patterns</u></b></p> <p>I can count beyond 20.</p> <p>I can compare different quantities using mathematical language.</p> <p>I can explore number patterns up to 10.</p> <p>I can identify even and odd numbers up to 10.</p> <p>I can recall some double facts up to 5.</p> | <p><b><u>Number</u></b></p> <p>I know how to add and subtract with numbers up to 10.</p> <p>I know that two numbers can be added together to make another number.</p> <p>I know how many objects are in a group without counting them.</p> <p>I know how to match numeral to quantity.</p> <p><b><u>Numerical Patterns</u></b></p> <p>I know how to count in 1's beyond 20.</p> <p>I know how to use the language of greater than, less than and the same as to compare different groups of objects.</p> <p>I know the 'one more than/one less than' relationship between consecutive numbers.</p> | <p>Number<br/>Counting<br/>Pattern<br/>Greater than<br/>Less than<br/>Same as<br/>Addition<br/>Subtraction<br/>Equals<br/>Doubling<br/>Odd<br/>Even<br/>Subitise<br/>Number bond<br/>One more<br/>One less</p> |
|-----|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |  |  |                                                   |  |
|--|--|--|--|---------------------------------------------------|--|
|  |  |  |  | I know what an even and odd number is (up to 10). |  |
|--|--|--|--|---------------------------------------------------|--|

|  |  |                                                                             |  |                                                             |  |
|--|--|-----------------------------------------------------------------------------|--|-------------------------------------------------------------|--|
|  |  | evens and odds, double facts and how quantities can be distributed equally. |  | I know that doubling means to add the same number together. |  |
|--|--|-----------------------------------------------------------------------------|--|-------------------------------------------------------------|--|

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Y1 | <p><u>Place Value</u></p> <p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.</p> <p>Given a number, identify one more and one less.</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</p> <p>Read and write numbers from 1 to 20 in numerals and words.</p> | <p><u>Place Value</u></p> <p>I can count to and beyond 100 both forwards and backwards including from any number.</p> <p>I can count, read and write numbers to 100 in numerals.</p> <p>I can count in multiples of twos, fives and tens.</p> <p>I can identify one more and one less of a given number.</p> <p>I can identify and represent numbers using objects and pictorial representations including the number line.</p> <p>I can use the language of: Equal to, more than, less than (fewer), most, least.</p> <p>I can read and write numbers from 1 to 20 in numerals and words.</p> | <p><u>Place Value</u></p> <p>I know how to count forwards and backwards, to and beyond 100.</p> <p>I know how to read and write numbers to 100.</p> <p>I know my two, five and ten times tables.</p> <p>I know what one more and one less is when presented with any number to 100.</p> <p>I know how to make and identify numbers using objects and pictures.</p> <p>I know how to use a number line.</p> <p>I know how to use appropriate mathematical vocabulary to compare numbers and groups of objects.</p> <p>I know how to write my numbers to 20 in words.</p> | <p>Tens</p> <p>Ones</p> <p>Multiple</p> <p>More Than</p> <p>Less Than</p> <p>Fewer</p> <p>Most</p> <p>Least</p> |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p><b><u>Addition and Subtraction</u></b></p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p> <p>Represent and use number bonds and related subtraction facts within 20.</p> <p>Add and subtract one-digit and twodigit numbers to 20, including zero.</p> <p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = - 9</math>.</p> | <p><b><u>Addition and Subtraction</u></b></p> <p>I can read, write and interpret mathematical statements involving addition, subtraction and equals signs represents.</p> <p>I can use number bonds and related subtraction facts within 20.</p> <p>I can add and subtract one-digit and two-digit numbers to 20, including zero.</p> <p>I can solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations.</p> <p>I can solve missing number problems such as <math>7 = - 9</math> using concrete objects and pictorial representations.</p> | <p><b><u>Addition and Subtraction</u></b></p> <p>I know what these symbols are and can use them independently. +<br/>- <math>\times \div</math></p> <p>I know my number bonds to 20 and related subtraction facts.</p> <p>I know how to add and subtract one-digit and two-digit numbers to 20, including 0.</p> <p>I know how to solve one-step addition and subtraction problems and can use key words to help me identify which operation is required.</p> <p>I know how to use objects, pictures and jottings to work out addition and subtraction calculations.</p> <p>I know how to work out missing number problems.</p> | <p>Add<br/>Addition<br/>Subtract<br/>Subtraction<br/>Altogether<br/>Total<br/>Difference<br/>Take Away<br/>Minus<br/>Plus<br/>Number bonds</p> |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                       |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  |  | <p><b><u>Multiplication and Division</u></b></p> <p>Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p> | <p><b><u>Multiplication and Division</u></b></p> <p>I can solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p> | <p><b><u>Multiplication and Division</u></b></p> <p>I know how to solve one-step multiplication and division problems and can use key words to help me identify which operation is required.</p> <p>I know how to use objects, pictures and jottings to work out multiplication and division calculations.</p> <p>I know that arrays can help me to count groups of objects.</p> | <p>Multiply/Multiplication<br/>Divide/Division<br/>Times<br/>Share<br/>Group<br/>Lots of<br/>Groups of<br/>Arrays</p> |
|  |  | <p><b><u>Fractions</u></b></p> <p>Recognise, find and name a half as one of two equal parts of an object, shape or quantity.</p> <p>Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p>         | <p><b><u>Fractions</u></b></p> <p>I can recognise, find and name a half as one of two equal parts of an object, shape or quantity.</p> <p>I can recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p>   | <p><b><u>Fractions</u></b></p> <p>I know what a half is.</p> <p>I know how to find half of an object, shape or quantity.</p> <p>I know what a quarter is.</p> <p>I know how to find a quarter of an object, shape or quantity.</p>                                                                                                                                               | <p>Fraction<br/>Half<br/>Quarter<br/>Equal<br/>Whole<br/>Part</p>                                                     |

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p><b><u>Measurement</u></b></p> <p>Compare, describe and solve practical problems for:</p> <ul style="list-style-type: none"> <li>■ Lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</li> <li>■ Mass/weight [for example, heavy/light, heavier than, lighter than]</li> <li>■ Capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</li> <li>■ Time [for example, quicker, slower, earlier, later]</li> <li>■ Measure and begin to record the following: <ul style="list-style-type: none"> <li>■ Lengths and heights</li> <li>■ Mass/weight</li> <li>■ Capacity and volume</li> <li>■ Time (hours, minutes, seconds)</li> </ul> </li> </ul> <p>Recognise and know the value of different denominations of coins and notes</p> <ul style="list-style-type: none"> <li>■ Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</li> <li>■ Recognise and use language relating to dates, including days of the week, weeks, months and years Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</li> </ul> | <p><b><u>Measurement</u></b></p> <p>I can compare, describe and solve problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] mass/weight [for example, heavy/light, heavier than, lighter than]</p> <p>I can compare, describe and solve problems for capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] time [for example, quicker, slower, earlier, later]</p> <p>I can measure and begin to record lengths and heights.</p> <p>I can measure and begin to record mass/weight.</p> <p>I can measure and begin to record capacity and volume.</p> <p>I can measure and begin to record time (hours, minutes, seconds).</p> <p>I can recognise and know the value of different denominations of coins and notes.</p> <p>I can sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</p> | <p><b><u>Measurement</u></b></p> <p>I know what is meant by length and height.</p> <p>I know how to use appropriate mathematical vocabulary to compare, describe and solve problems related to length and height.</p> <p>I know what is meant by capacity and volume.</p> <p>I know how to use appropriate mathematical vocabulary to compare, describe and solve problems related to capacity and volume.</p> <p>I know how to use suitable measuring equipment to record length and height, e.g. using a ruler, tape measure or metre stick.</p> <p>I know how to use suitable measuring equipment to record mass and weight, e.g. using a set of scales.</p> <p>I know how to use suitable measuring equipment to record capacity and volume, e.g. using measuring jugs.</p> <p>I know how to use suitable measuring equipment to record time, e.g. using a stopwatch, timer or clock.</p> <p>I know the value of different coins and notes.</p> <p>I know how to sequence events in the correct order, using suitable ordinal language.</p> | <p>Length</p> <p>Height</p> <p>Long/Short</p> <p>Longer/Shorter</p> <p>Tall/Short</p> <p>Mass/Weight</p> <p>Heavy/Light</p> <p>Heavier Than/Lighter Than</p> <p>Capacity</p> <p>Volume</p> <p>Full/Empty</p> <p>Half/Half Full/Quarter Full</p> <p>Earlier</p> <p>Later</p> <p>Time</p> <p>Minute</p> <p>Hour</p> <p>Second</p> <p>Pounds</p> <p>Pence</p> <p>Value</p> <p>Coin</p> <p>Note</p> <p>Before/After</p> <p>Next</p> <p>First</p> <p>Today</p> <p>Yesterday</p> <p>O'Clock</p> <p>Half Past</p> |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |  |                                                                                                                                                                                                                                      |                                                                                                                                                                                     |  |
|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  |  | <p>I can recognise and use language relating to dates, including days of the week, weeks, months and years</p> <p>I can tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p> | <p>I know the days of the week and the months of the year.</p> <p>I know how to tell the time to the nearest hour.</p> <p>I know how to tell the time to the nearest half hour.</p> |  |
|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

|  |  |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                           |                                                                                                                |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  |  | <p><u>Geometry – Properties of Shapes</u></p> <p>Recognise and name common 2-D and 3-D shapes, including: ■2-D shapes [for example, rectangles (including squares), circles and triangles]<br/>■3-D shapes [for example, cuboids (including cubes), pyramids and spheres].</p> | <p><u>Geometry – Properties of Shapes</u></p> <p>I can recognise and name 2-D shapes - [for example, rectangles (including squares), circles and triangles]</p> <p>I can recognise and name 2-D shapes - 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].</p> | <p><u>Geometry – Properties of Shapes</u></p> <p>I know and can name 2-D shapes.</p> <p>I know and can name 3-D shapes.</p>                                               | <p>2-D<br/>3-D<br/>Rectangle<br/>Square<br/>Circle<br/>Triangle<br/>Cuboid<br/>Cube<br/>Pyramid<br/>Sphere</p> |
|  |  | <p><u>Geometry – Position and Direction</u></p> <p>Describe position, direction and movement, including whole, half, quarter and three-quarter turns.</p>                                                                                                                      | <p><u>Geometry – Position and Direction</u></p> <p>I can describe the position, direction and movement, including whole, half, quarter and three-quarter turns.</p>                                                                                                                     | <p><u>Geometry – Position and Direction</u></p> <p>I know how to explain the position, direction and movement of an object using appropriate mathematical vocabulary.</p> | <p>Position<br/>Direction<br/>Whole Turn<br/>Half-Turn<br/>Quarter-Turn<br/>Three-Quarter Turn</p>             |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                    |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Y2 | <p><u>Number and Place Value</u></p> <p>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.</p> <p>Recognise the place value of each digit in a two-digit number (tens, ones)<br/>Identify, represent and estimate numbers using different representations, including the number line.</p> <p>Compare and order numbers from 0 up to 100; use and = signs.</p> <p>Read and write numbers to at least 100 in numerals and in words.</p> <p>Use place value and number facts to solve problems.</p> | <p><u>Number and Place Value</u></p> <p>I can count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.</p> <p>I can recognise the place value of each digit in a two-digit number (tens, ones).</p> <p>I can identify, represent and estimate numbers using different representations, including the number line.</p> <p>I can compare and order numbers from 0 up to 100; use and = signs.</p> <p>I can read and write numbers to at least 100 in numerals and in words.</p> <p>I can use place value and number facts to solve problems.</p> | <p><u>Number and Place Value</u></p> <p>I know my two, three, five and ten times tables.</p> <p>I know how to count forwards and backwards in tens from any given number.</p> <p>I know the value of each digit in a number.</p> <p>I know how to make and identify numbers using objects and pictures.</p> <p>I know how to make sensible estimations about numbers.</p> <p>I know how to use a number line.</p> <p>I know how to compare and order numbers using mathematical symbols.</p> <p>I know how to read and write numbers to 100 in numerals and words.</p> <p>I know how to solve problems using my number facts and knowledge of place value.</p> | <p>Tens<br/>Ones<br/>Place Value<br/>Multiple<br/>Estimate<br/>More Than<br/>Less Than<br/>Equal To<br/>Fewer<br/>Most<br/>Least<br/>Partition</p> |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                              |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p><b><u>Addition and Subtraction</u></b></p> <p>Solve problems with addition and subtraction:</p> <ul style="list-style-type: none"> <li>■ Using concrete objects and pictorial representations, including those involving numbers, quantities and measures.</li> <li>■ Applying their increasing knowledge of mental and written methods.</li> </ul> <p>Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.</p> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>■ A two-digit number and ones.</li> <li>■ A two-digit number and tens.</li> <li>■ Two two-digit numbers.</li> <li>■ Adding three one-digit numbers.</li> </ul> <p>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p> | <p><b><u>Addition and Subtraction</u></b></p> <p>I can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.</p> <p>I can apply my increasing knowledge of mental and written methods to solve problems with addition and subtraction.</p> <p>I can recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.</p> <p>I can add and subtract numbers using concrete objects, pictorial representations, and mentally including a two-digit number and ones.</p> <p>I can add and subtract numbers using concrete objects, pictorial representations, and mentally including a two-digit number and tens.</p> <p>I can add and subtract numbers using concrete objects, pictorial representations, and mentally including two two-digit numbers.</p> <p>I can add and subtract numbers using concrete objects, pictorial representations, and mentally including adding three one-digit numbers.</p> | <p><b><u>Addition and Subtraction</u></b></p> <p>I know how to solve addition and subtraction problems and can use key words to help me identify which operation is required.</p> <p>I know that addition and subtraction can relate to numbers, quantities and measures.</p> <p>I know how to use mental methods, objects, pictures and jottings to work out addition and subtraction calculations.</p> <p>I know my number bonds to 20 and related subtraction facts.</p> <p>I know my related facts up to 100.</p> <p>I know how to use mental methods to:</p> <ul style="list-style-type: none"> <li>Add or subtract a one-digit number to/from a two-digit number</li> <li>Add or subtract a multiple of ten to/from a two-digit number</li> <li>Add or subtract 2 two-digit numbers</li> <li>Add 3 one-digit numbers.</li> </ul> <p>I know that addition can be done in any order and the subtraction cannot.</p> <p>I know how to use the inverse relationship between addition and subtraction to check my answers and solve missing number problems.</p> | <p>Add/Addition<br/>Subtract/Subtraction<br/>Altogether<br/>Total<br/>Difference<br/>Take Away<br/>Minus<br/>Plus<br/>Inverse<br/>Commutative<br/>Sum of</p> |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |  |                                                                                                                                                                                                                                                                                                            |  |  |
|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  |  |  | <p>I can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p>I can recognise and use the inverse relationship between addition and subtraction and use this to check my calculations and solve missing number problems.</p> |  |  |
|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p><b><u>Multiplication and Division</u></b></p> <p>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs.</p> <p>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> | <p><b><u>Multiplication and Division</u></b></p> <p>I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.</p> <p>I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs.</p> <p>I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p> <p>I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> | <p><b><u>Multiplication and Division</u></b></p> <p>I know how to recall multiplication and division facts from the two, five and ten times tables fluently.</p> <p>I know how to identify odd and even numbers.</p> <p>I know how to work out multiplication and division calculations within the two, five and ten times tables and record them using the appropriate mathematical symbols.</p> <p>I know that multiplication can be done in any order and that division cannot.</p> <p>I know how to solve multiplication and division problems and can use key words to help me identify which operation is required.</p> <p>I know how to use objects, pictures, jottings, arrays and repeated addition to work out multiplication and division calculations.</p> | <p>Multiply/Multiplication<br/>Divide/Division<br/>Times<br/>Share<br/>Group<br/>Lots of<br/>Groups of<br/>Arrays<br/>Inverse</p> |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  |  | <p><b><u>Fractions</u></b></p> <p>Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity.</p> <p>Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</p> | <p><b><u>Fractions</u></b></p> <p>I can recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</p> <p>I can write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</p> | <p><b><u>Fractions</u></b></p> <p>I know how to recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity.</p> <p>I know how to write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</p> | <p>Fraction</p> <p>Half</p> <p>Quarter</p> <p>Third</p> <p>Whole</p> <p>Equivalent</p> |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p><b><u>Measurement</u></b></p> <p>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.</p> <p>Compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</p> <p>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.</p> <p>Find different combinations of coins that equal the same amounts of money.</p> <p>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</p> <p>Compare and sequence intervals of time.</p> <p>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p> | <p><b><u>Measurement</u></b></p> <p>I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.</p> <p>I can compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =.</p> <p>I can recognise and use symbols for pounds (£) and pence (p).</p> <p>I can combine amounts to make a particular value.</p> <p>I can find different combinations of coins that equal the same amount of money.</p> <p>I can solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</p> <p>I can compare and sequence intervals of time.</p> <p>I can tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p> <p>I know the number of minutes in an hour and the number of hours in a day.</p> | <p><b><u>Measurement</u></b></p> <p>I know how to estimate and measure:</p> <ul style="list-style-type: none"> <li>Length and height in any direction using metres and centimetres</li> <li>Mass in kilograms and grams</li> <li>Temperature in degrees Celsius</li> <li>Capacity in litres and millilitres</li> </ul> <p>I know how to compare and order length, mass, volume and capacity and record my results using &gt; &lt; and =.</p> <p>I know the value of different coins and notes.</p> <p>I know how to combine amounts to make different values.</p> <p>I know how to find different combinations of coins that equal the same amount of money.</p> <p>I know how to solve simple addition and subtraction problems involving money, including giving change.</p> <p>I know how to compare and sequence intervals of time.</p> <p>I know how to tell the time in five-minute increments, including quarter past and quarter to the hour.</p> <p>I know how to draw the hands on a clock face to show different times.</p> <p>I know how many minutes are in an hour.</p> | <p>Length</p> <p>Height</p> <p>Metres/Centimetres</p> <p>Long/Short</p> <p>Longer/Shorter</p> <p>Tall/Short</p> <p>Mass/Weight</p> <p>Temperature</p> <p>Degrees Celsius</p> <p>Kilograms/Grams</p> <p>Heavy/Light</p> <p>Heavier Than/Lighter Than</p> <p>Capacity</p> <p>Litres/Millilitres</p> <p>Volume</p> <p>Earlier</p> <p>Later</p> <p>Time</p> <p>Minute</p> <p>Hour</p> <p>Second</p> <p>Pounds</p> <p>Pence</p> <p>Value</p> <p>Coin</p> <p>Note</p> |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |                                                                         |  |                                     |  |
|--|--|-------------------------------------------------------------------------|--|-------------------------------------|--|
|  |  | Know the number of minutes in an hour and the number of hours in a day. |  | I know how many hours are in a day. |  |
|--|--|-------------------------------------------------------------------------|--|-------------------------------------|--|

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                   |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p><b><u>Geometry – Properties of Shapes</u></b></p> <p>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.</p> <p>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.</p> <p>Identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a pyramid]</p> <p>Compare and sort common 2-D and 3D shapes and everyday objects.</p> | <p><b><u>Geometry – Properties of Shapes</u></b></p> <p>I can identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.</p> <p>I can identify and describe the properties of 3D shapes, including the number of edges, vertices and faces</p> <p>I can identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</p> <p>I can compare and sort common 2-D and 3-D shapes and everyday objects.</p> | <p><b><u>Geometry – Properties of Shapes</u></b></p> <p>I know and can name 2-D shapes.</p> <p>I know how to identify and describe the number of sides of a 2-D shape.</p> <p>I know how to identify a vertical line of symmetry.</p> <p>I know and can name 3-D shapes.</p> <p>I know how to identify and describe the number of edges, vertices and faces of a 3-D shape.</p> <p>I know how to describe the faces of 3-D shapes.</p> <p>I know how to compare and sort 2-D and 3-D shapes and everyday objects.</p> | <p>2-D<br/>3-D<br/>Rectangle<br/>Square<br/>Circle Triangle<br/>Pentagon<br/>Hexagon<br/>Cuboid<br/>Cube<br/>Pyramid<br/>Sphere<br/>Sides<br/>Edges<br/>Faces<br/>Vertices<br/>Symmetry<br/>Vertical<br/>Sequence<br/>Pattern</p> |
|  |  | <p><b><u>Geometry – Position and Direction</u></b></p> <p>Order and arrange combinations of mathematical objects in patterns and sequences.</p> <p>Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).</p>                                                                         | <p><b><u>Geometry – Position and Direction</u></b></p> <p>I can order and arrange combinations of mathematical objects in patterns and sequences.</p> <p>I can use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).</p>                                                                                    | <p><b><u>Geometry – Position and Direction</u></b></p> <p>I know how to create patterns and sequences using mathematical objects.</p> <p>I know how to explain the position, direction and movement of an object using appropriate mathematical vocabulary.</p> <p>I know how to describe rotation using appropriate mathematical vocabulary.</p>                                                                                                                                                                     | <p>Position<br/>Direction<br/>Movement<br/>Rotate<br/>Right Angle<br/>Quarter Turn<br/>Half Turn<br/>Three-Quarter Turn<br/>Whole Turn<br/>Clockwise<br/>Anti-Clockwise</p>                                                       |

|  |  |                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |                                                                                               |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|  |  |                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |                                                                                               |
|  |  | <p><b><u>Statistics</u></b></p> <p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p> <p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p> <p>Ask and answer questions about totalling and comparing categorical data.</p> | <p><b><u>Statistics</u></b></p> <p>I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p> <p>I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p> <p>I can ask and answer questions about totalling and comparing categorical data.</p> | <p><b><u>Statistics</u></b></p> <p>I know how to read and construct simple charts, diagrams tables.</p> <p>I know how to ask and answer simple questions about simple charts, diagrams and tables.</p> <p>Pictogram<br/>Tally Chart<br/>Block Diagram<br/>Table<br/>Category<br/>Quantity<br/>Data</p> | <p>Pictogram<br/>Tally Chart<br/>Block Graph<br/>Table<br/>Category<br/>Quantity<br/>Data</p> |