## Progression in Maths Vocabulary



|                  | Year I          | Year 2         | Year 3             | Year 4            | Year 5            | Year 6            |
|------------------|-----------------|----------------|--------------------|-------------------|-------------------|-------------------|
| Number and place | Counting        | Counting       | Counting           | Counting          | Counting          | Counting          |
| value            | Ones            | Forwards       | Multiples          | Multiples         | Multiples         | Multiples         |
|                  | Tens            | Backwards      | Place value        | Place value       | Place value       | Place value       |
|                  | One more        | Place value    | Zero               | Zero              | Zero              | Zero              |
|                  | One less        | Ones           | Ones               | Ones              | Ones              | Ones              |
|                  | Equal to        | Tens           | Tens               | Tens              | Tens              | Tens              |
|                  | More than       | Hundreds       | Hundreds           | Hundreds          | Hundreds          | Hundreds          |
|                  | Less than       | Estimate       | Compare            | Thousands         | Thousands         | Thousands         |
|                  | Fewer           | Number line    | Order              | Compare           | Tens of thousands | Tens of thousands |
|                  | Most            | Compare        | More than          | Negative numbers  | Hundreds of       | Hundreds of       |
|                  | Least           | Order          | Less than          | Order             | thousands         | thousands         |
|                  | Ordering        | More than      | Gattegno chart     | More than         | Millions          | Millions          |
|                  | Odd             | Less than      | Three digit number | Less than         | Powers of ten     | Powers of ten     |
|                  | Even            | Equal to       |                    | Gattegno chart    | Compare           | Compare           |
|                  |                 | Zero           |                    | Rounding numbers  | Order             | Order             |
|                  | Numbers one –   |                |                    | Represent numbers | More than         | More than         |
|                  | twenty in words | Numbers one to |                    | Four digit number | Less than         | Less than         |
|                  | Ĵ               | one hundred in | Numbers one to     | Estimate          | Gattegno chart    | Gattegno chart    |
|                  |                 | words          | one thousand in    | Roman Numerals    | Rounding numbers  | Rounding numbers  |
|                  |                 |                | words              | Decimal numbers   | Estimate          | Estimate          |
|                  |                 |                |                    |                   | Roman Numerals    | Roman Numerals    |
|                  |                 |                |                    |                   | Decimal numbers   | Decimal numbers   |
|                  |                 |                |                    |                   | Number sequences  | Number sequences  |
|                  |                 |                |                    |                   |                   | Accuracy          |

| Number - Addition  | Addition           | Addition           | Addition            | Addition            | Addition            | Addition            |
|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| and Subtraction    | Put together       | Put together       | Add                 | Add                 | Add                 | Add                 |
|                    | Add                | Add                | Altogether          | Altogether          | Altogether          | Altogether          |
|                    | Altogether         | Altogether         | Total               | Total               | Total               | Total               |
|                    | Total              | Total              | Sum                 | Sum                 | Sum                 | Sum                 |
|                    | Subtraction        | Sum                | Subtraction         | Subtraction         | Subtraction         | Subtraction         |
|                    | Take away          | Subtraction        | Take away           | Take away           | Take away           | Take away           |
|                    | Distance between   | Take away          | Find the difference | Find the difference | Find the difference | Find the difference |
|                    | Difference between | Distance between   | Equal to            | Equal to            | Equal to            | Equal to            |
|                    | Equals             | Difference between | More than           | More than           | More than           | More than           |
|                    | More than          | Difference         | Less than           | Less than           | Less than           | Less than           |
|                    | Less than          | Equals             | Number bonds        | Number bonds        | Number bonds        | Zero                |
|                    | Number bonds       | More than          | Zero                | Zero                | Zero                | Column addition     |
|                    | Zero               | Less than          | Counting forwards   | Column addition     | Column addition     | Column              |
|                    | Counting forwards  | Number bonds       | Counting            | Column              | Column              | subtraction         |
|                    | Counting           | Zero               | backwards           | subtraction         | subtraction         | Inverse operations  |
|                    | backwards          | Counting forwards  | Column addition     | Inverse operations  | Inverse operations  | Mental operations   |
|                    |                    | Counting           | Column              | Mental operations   | Mental operations   | Rounding            |
|                    |                    | backwards          | subtraction         | Two-step problems   | Rounding            | Accuracy            |
|                    |                    |                    | Inverse operations  |                     | Accuracy            | Multi-step          |
|                    |                    |                    | Mental operations   |                     | Multi-step          | problems            |
|                    |                    |                    |                     |                     | problems            | Four operations     |
| Number-            | Grouping           | Multiplying        | Multiplying         | Multiplying         | Multiples           | Multiples           |
| Multiplication and | Sharing            | Dividing           | Dividing            | Dividing            | Factors             | Factors             |
| Division           | Multiplying        | Odd numbers        | Odd numbers         | Odd numbers         | Factor pairs        | Factor pairs        |
|                    | Dividing           | Even numbers       | Even numbers        | Even numbers        | Common factors      | Common factors      |
|                    | Doubling           | Arrays             | Repeated addition   | Repeated addition   | Prime numbers       | Prime numbers       |
|                    | Arrays             | Repeated addition  | Mental method       | Mental method       | Prime factors       | Prime factors       |
|                    | Number patterns    | Mental methods     | Multiplication      | Multiplication      | Composite (non-     | Composite (non-     |
|                    | Count in twos      |                    | tables              | tables              | prime) numbers      | prime) numbers      |

|                    | Count in fives | Multiplication     | Inverse operations | Inverse operations | Multiplying        | Multiplying         |
|--------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------------|
|                    | Count in tens  | tables             | Integers           | Factor pairs       | Dividing           | Dividing            |
|                    |                | Inverse operations | Short division     | Integers           | Odd numbers        | Odd numbers         |
|                    |                | •                  | Short              | Short division     | Even numbers       | Even numbers        |
|                    |                |                    | multiplication     | Short              | Repeated addition  | Repeated addition   |
|                    |                |                    |                    | multiplication     | Mental method      | Mental method       |
|                    |                |                    |                    | •                  | Multiplication     | Multiplication      |
|                    |                |                    |                    |                    | tables             | tables              |
|                    |                |                    |                    |                    | Inverse operations | Inverse operations  |
|                    |                |                    |                    |                    | Integers           | Integers            |
|                    |                |                    |                    |                    | Remainders         | Long multiplication |
|                    |                |                    |                    |                    |                    | Long division       |
|                    |                |                    |                    |                    |                    | Remainders          |
|                    |                |                    |                    |                    |                    | Common multiples    |
|                    |                |                    |                    |                    |                    | Brackets            |
|                    |                |                    |                    |                    |                    |                     |
| Number — fractions | A half         | A half             | Tenths             | Tenths             | Tenths             | Tenths              |
|                    | Equal parts    | A quarter          | Equal parts        | Hundredths         | Hundredths         | Hundredths          |
|                    | A quarter      | A whole            | Fractions          | Equal parts        | Thousandths        | Thousandths         |
|                    | A whole        | Equal parts        | Unit fractions     | Fractions          | Equal parts        | Equal parts         |
|                    |                | A third            | Non-unit fractions | Unit fractions     | Fractions          | Fractions           |
|                    |                | Two quarters       | Denominator        | Non-unit fractions | Unit fractions     | Unit fractions      |
|                    |                | Three quarters     | Numerator          | Denominator        | Non-unit fractions | Non-unit fractions  |
|                    |                | Equivalence        | A half             | Numerator          | Mixed number       | Mixed number        |
|                    |                |                    | A quarter          | Equivalence        | fractions          | fractions           |
|                    |                |                    | A whole            | Equivalent         | Improper fractions | Improper fractions  |
|                    |                |                    | Equal parts        | fractions          | Proper fractions   | Proper fractions    |
|                    |                |                    | A third            | Decimal number     | Denominator        | Denominator         |
|                    |                |                    | Two quarters       | Decimal point      | Numerator          | Numerator           |
|                    |                |                    | Three quarters     |                    | Equivalence        | Equivalence         |

|             |              |                   | Equivalence       |                    | Equivalent        | Equivalent     |
|-------------|--------------|-------------------|-------------------|--------------------|-------------------|----------------|
|             |              |                   |                   |                    | fractions         | fractions      |
|             |              |                   |                   |                    | Decimal number    | Decimal number |
|             |              |                   |                   |                    | Decimal point     | Decimal point  |
|             |              |                   |                   |                    | Per cent          | Per cent       |
|             |              |                   |                   |                    | Percentage        | Percentage     |
| Measurement | Length       | Estimate          | Estimate          | Estimate           | Estimate          | Estimate       |
|             | Height       | Length            | Measure           | Measure            | Measure           | Measure        |
|             | Compare      | Height            | Length            | Length             | Metric            | Metric         |
|             | Long         | Meters            | Height            | Height             | measurements      | measurements   |
|             | Short        | Centimetres       | Meters            | Meters             | Imperial units    | Imperial units |
|             | Longer       | Mass              | Centimetres       | Centimetres        | Inches            | Inches         |
|             | Shorter      | Kilograms         | Millimetres       | Millimetres        | Pounds            | Pounds         |
|             | Tall         | Grams             | Mass              | Mass               | Pints             | Pints          |
|             | Double       | Temperature       | Kilograms         | Kilograms          | Length            | Miles          |
|             | Half         | Capacity          | Grams             | Grams              | Height            | Length         |
|             | Mass         | Litres            | Temperature       | Temperature        | Meters            | Height         |
|             | Weight       | Millilitres       | Capacity          | Capacity           | Centimetres       | Meters         |
|             | Heavy        | Rulers            | Litres            | Litres             | Millimetres       | Centimetres    |
|             | Light        | Scales            | Millilitres       | Millilitres        | Mass              | Millimetres    |
|             | Heavier than | Thermometers      | Rulers            | Rulers             | Kilograms         | Mass           |
|             | Lighter than | Measuring vessels | Scales            | Scales             | Grams             | Kilograms      |
|             | Capacity     | Compare           | Thermometers      | Thermometers       | Temperature       | Grams          |
|             | Volume       | Order             | Measuring vessels | Measuring vessels  | Capacity          | Temperature    |
|             | Full         | Volume            | Compare           | Converting         | Litres            | Capacity       |
|             | Empty        | Pounds            | Order             | measurements       | Millilitres       | Litres         |
|             | Half full    | Pence             | Volume            | Perimeter          | Rulers            | Millilitres    |
|             | Quarter full | Coins             | Pounds            | Rectilinear figure | Scales            | Rulers         |
|             | Time         | Money             | Pence             | Area               | Thermometers      | Scales         |
|             | Quicker      | Change            | Coins             | Pounds             | Measuring vessels | Thermometers   |

| Slower             | Sequence     | Money             | Pence           | Converting         | Converting         |
|--------------------|--------------|-------------------|-----------------|--------------------|--------------------|
| Earlier            | Time         | Change            | Analogue clocks | measurements       | measurements       |
| Later              | Clock        | Analogue clock    | Digital clocks  | Perimeter          | Perimeter          |
| Hours              | Five minutes | Roman Numerals    | Hours           | Rectilinear figure | Rectilinear figure |
| Minutes            | Minutes      | Seconds           | Minutes         | Irregular shapes   | Irregular shapes   |
| Seconds            | Quarter past | Minutes           | Seconds         | Area               | Area               |
| Coins              | Quarter to   | Hours             | Years           | Pounds             | Pounds             |
| Notes              | Half past    | O'clock           | Months          | Pence              | Pence              |
| Money              | O'clock      | A.M               | Weeks           | Analogue clocks    | Analogue clocks    |
| Before             | Hour         | P.M               | Days            | Digital clocks     | Digital clocks     |
| After              | Day          | Morning           |                 | Hours              | Hours              |
| Next               |              | Afternoon         |                 | Minutes            | Minutes            |
| First              |              | Noon              |                 | Seconds            | Seconds            |
| Today              |              | Midnight          |                 | Years              | Years              |
| Yesterday          |              | Leap year         |                 | Months             | Months             |
| Tomorrow           |              |                   |                 | Weeks              | Weeks              |
| Morning            |              | Each month of the |                 | Days               | Days               |
| Afternoon          |              | year              |                 | Scaling            | Scaling            |
| Evening            |              |                   |                 |                    | Formula            |
| Ruler              |              |                   |                 |                    | Parallelograms     |
| Weighing scales    |              |                   |                 |                    |                    |
| Days of the week   |              |                   |                 |                    |                    |
| Months of the year |              |                   |                 |                    |                    |
| Hour               |              |                   |                 |                    |                    |
| O'clock            |              |                   |                 |                    |                    |
| Half past          |              |                   |                 |                    |                    |
| Clock              |              |                   |                 |                    |                    |

| Geometry –          | 2D shapes | 2D shapes        | 2D shapes          | 2D shapes            | 2D shapes            | 2D shapes            |
|---------------------|-----------|------------------|--------------------|----------------------|----------------------|----------------------|
| properties of shape | Rectangle | Properties of    | Properties of      | Properties of        | Properties of        | Dimension            |
|                     | Square    | shapes           | shapes             | shapes               | shapes               | Properties of        |
|                     | Circle    | Sides            | Sides              | Sides                | Sides                | shapes               |
|                     | Triangle  | Line of symmetry | Line of symmetry   | Line of symmetry     | Line of symmetry     | Sides                |
|                     | 3D shapes | Vertical line    | Vertical line      | Vertical line        | Vertical line        | Line of symmetry     |
|                     | Cubes     | 3D shape         | Horizontal line    | Horizontal line      | Horizontal line      | Vertical line        |
|                     | Cuboids   | Edges            | Perpendicular line | Perpendicular line   | Perpendicular line   | Horizontal line      |
|                     | Pyramids  | Vertices         | Parallel lines     | Parallel lines       | Parallel lines       | Perpendicular line   |
|                     | Spheres   | Vertex           | 3D shape           | 3D shape             | 3D shape             | Parallel lines       |
|                     |           | Faces            | Edges              | Edges                | Edges                | 3D shape             |
|                     |           | Rectangle        | Vertices           | Vertices             | Vertices             | Net                  |
|                     |           | Square           | Vertex             | Vertex               | Vertex               | Edges                |
|                     |           | Circle           | Faces              | Faces                | Faces                | Vertices             |
|                     |           | Triangle         | Rectangle          | Rectangle            | Rectangle            | Vertex               |
|                     |           | Cube             | Square             | Square               | Square               | Faces                |
|                     |           | Cuboid           | Circle             | Circle               | Circle               | Rectangle            |
|                     |           | Pyramid          | Triangle           | Triangle             | Triangle             | Square               |
|                     |           | Sphere           | Cube               | Isosceles triangle   | Isosceles triangle   | Circle               |
|                     |           |                  | Cuboid             | Equilateral triangle | Equilateral triangle | Radius               |
|                     |           |                  | Pyramid            | Scalene triangle     | Scalene triangle     | Diameter             |
|                     |           |                  | Sphere             | Cube                 | Cube                 | Circumference        |
|                     |           |                  | Angle              | Cuboid               | Cuboid               | Triangle             |
|                     |           |                  | Right angle        | Pyramid              | Pyramid              | Isosceles triangle   |
|                     |           |                  | Acute angle        | Sphere               | Sphere               | Equilateral triangle |
|                     |           |                  | Obtuse angle       | Angle                | Angle                | Scalene triangle     |
|                     |           |                  | Polygon            | Right angle          | Right angle          | Cube                 |
|                     |           |                  |                    | Acute angle          | Acute angle          | Cuboid               |
|                     |           |                  |                    | Obtuse angle         | Obtuse angle         | Pyramid              |
|                     |           |                  |                    | Protractor           | Reflex angle         | Sphere               |

| Geometry –                | Position   | Patterns  | Polygon<br>Quadrilateral<br>Parallelogram<br>Rhombus<br>Trapezium<br>Regular polygon<br>Irregular polygon | Protractor<br>Degrees<br>Polygon<br>Quadrilateral<br>Parallelogram<br>Rhombus<br>Trapezium<br>Regular polygon<br>Irregular polygon<br>Diagonal | Angle<br>Right angle<br>Acute angle<br>Obtuse angle<br>Reflex angle<br>Protractor<br>Degrees<br>Polygon<br>Quadrilateral<br>Parallelogram<br>Rhombus<br>Trapezium<br>Regular polygon<br>Irregular polygon<br>Diagonal<br>Coordinates |
|---------------------------|--|---|---|--|--|
| position and<br>direction | Direction<br>Movement<br>Whole turn<br>Half turn<br>Quarter turn<br>Left<br>Right<br>Top<br>Middle<br>Bottom<br>On top of<br>In front of<br>Above<br>Between | Sequences<br>Straight line<br>Rotation<br>Turn<br>Right angles<br>Position<br>Direction<br>Movement<br>Whole turn<br>Half turn<br>Quarter turn<br>Left<br>Right | Quadrant<br>Left<br>Right<br>Up<br>Down<br>Axes   | Quadrant<br>Left<br>Right<br>Up<br>Down<br>Axes<br>Reflection<br>Translation   | Coordinate plane<br>Quadrant<br>Left<br>Right<br>Up<br>Down<br>Axes<br>Reflection<br>Translation<br>Opposite   |

|                         | Around<br>Near<br>Close<br>Far<br>Up<br>Down<br>Forwards<br>Backwards<br>Inside<br>Outside |  |  |   |   |   |
|-------------------------|--|--|--|---|---|---|
| Statistics              |  | Pictogram<br>Tally chart<br>Block diagram<br>Table | Pictogram<br>Tally chart<br>Block diagram<br>Table | Pictogram<br>Tally chart<br>Bar chart<br>Table<br>Time graph<br>Scale | Pictogram<br>Tally chart<br>Bar chart<br>Table<br>Time graph<br>Scale<br>Timetables | Pie chart<br>Line graph<br>Average<br>Mean variables<br>Data                  |
| Ratio and<br>Proportion |  |  |  |   |   | Ratio<br>Recipe<br>Pie chart<br>Scale drawing<br>Scale factor                 |
| Algebra                 |  |  |  |   |   | Formulae<br>Algebra<br>Unknown values<br>Variable<br>Equivalent<br>expression |