# PQ Primary Academy Whole School Maths Vocabulary Progression Document

| | EYFS | KS1 | | KS2 | | | |
|---|---|---|---|---|---|---|---|
| | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| **Number and Place Value** | One more<br>One less<br>Place<br>Order<br>Number<br>Count<br>Number up to twenty<br>Number line<br>Answer<br>Most<br>Least<br>Read<br>Write<br>Same<br>Different<br>Subitise | *Same as previous and:*<br><br>Forwards<br>Backwards<br>Numerals<br>Words<br>Equal to<br>More than<br>Less than<br>Fewer<br>Most<br>Least<br>Identify<br>Represent<br>Digit<br>Calculate<br>Odd<br>Even<br>Pictorial<br>Numbers up to one hundred<br>Tens<br>Ones | *Same as previous and:*<br><br>Estimate<br>Place Value<br>Solve problems<br>Greater than ><br>Less than <<br>Nearest ten<br>Number facts<br>Partition<br>Count in steps<br>Zero<br>Place holder<br>Digit<br>Compare<br>Determine<br>Value | *Same as previous and:*<br><br>Hundreds<br>Three-digit<br>Ten more<br>One hundred more<br>Ten less<br>One hundred less<br>Roman Numeral<br>Numbers up to one thousand<br>Whole number<br>Integer<br>Decimal<br>Remainder | *Same as previous and:*<br><br>Thousands<br>Four-digit<br>Negative number<br>One thousand more<br>One thousand less<br>Decimal<br>Decimal place<br>Rounding<br>Place holder<br>Nearest ten<br>Nearest hundred<br>Nearest thousand<br>One place<br>Tenths<br>Hundredths<br>Roman Numerals | *Same as previous and:*<br><br>Ten thousands<br>Hundred thousands<br>Millions<br>Decimal equivalents<br>Two decimal places<br>Thousandths<br>Numbers up to one million<br>Powers of 10 | *Same as previous and:*<br><br>Intervals<br>Three decimal places<br>Hundredths<br>Thousandths<br>Ten Thousandths<br>Numbers up to ten million |

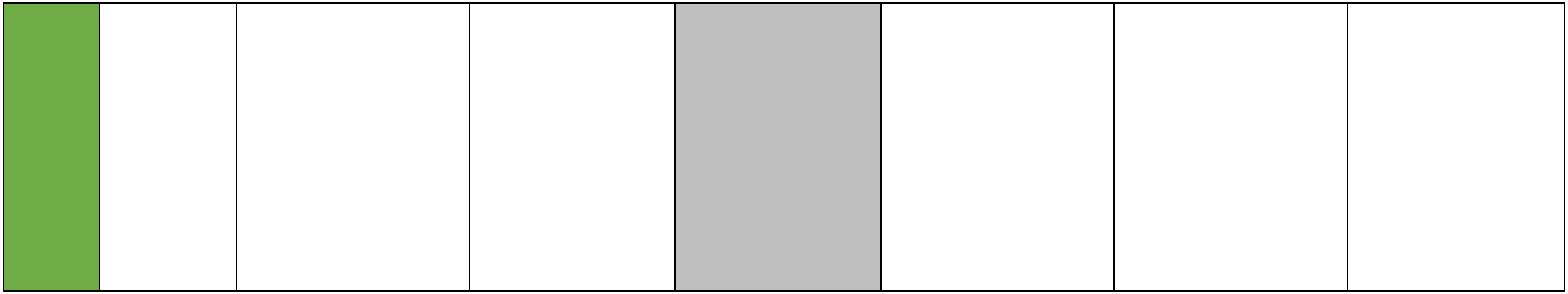
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| **Number: addition and subtraction** | And<br>Makes e.g. 4 and 1 make 5.<br>Single digit<br>Count on<br>Count back<br>Answer<br>Checking<br>Greater than<br>Less than<br>The same as | *Same as previous and:*<br><br>Add<br>Subtract<br>Addition and the symbol +<br>Subtraction<br>and the symbol –<br>Equals and the symbol =<br>One-step problem<br>Concrete object<br>Pictorial representation<br>Missing number problem<br>Interpret<br>Signs<br>One-digit<br>Two-digit<br>Mental<br>Mentally<br>Column(s)<br>Commutative<br>Addend<br>Sum | *Same as previous and:*<br><br>Order<br>Inverse<br>Relationship<br>Calculation<br>Solve problems<br>Quantities<br>Method<br>Operation<br>Apply<br>Whole number<br>Commutative<br>Addend<br>Sum<br>Minuend<br>Subtrahend<br>Difference | *Same as previous and:*<br><br>Column addition<br>Column subtraction<br>Written methods<br>Exchange<br>Inverse operations<br>Addend<br>Sum<br>Minuend<br>Subtrahend<br>Difference | *Same as previous and:*<br><br>Two-step problems | *Same as previous and:*<br><br>Increasingly large numbers<br>More than four digits<br>Multi-step problems | *Same as previous and:*<br><br>Mixed operations<br>BIDMAS<br>Degree of accuracy<br>Long division<br>Common multiples |
| **Number: multiplication and division** | Doubling<br>Halving<br>Sharing<br>Grouping<br>Pattern<br>Odd numbers<br>Even numbers | *Same as previous and:*<br><br>Multiples<br>Twos<br>Fives<br>Tens<br>Share<br>Equally<br>Arrays | *Same as previous and:*<br><br>Multiplication<br>Division<br>Share<br>Product<br>Factor<br>Dividend<br>Divisor<br>Quotient<br>Multiplication tables<br>Inverse | *Same as previous and:*<br><br>Formal written method<br>Integer<br>Product<br>Factor<br>Dividend<br>Divisor<br>Quotient | *Same as previous and:*<br><br>Associative law<br>Distributive law<br>Factor pairs<br>Multiplier<br>Multiplicand | *Same as previous and:*<br><br>Prime<br>Composite<br>Prime factors<br>Common factors<br>Square numbers ($^2$)<br>Cube numbers ($^3$)<br>Scaling | |

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| **Fractions, decimal and percentages** | | *Same as previous and:*<br>One half<br>Two equal parts<br>One quarter<br>Four equal parts<br>Part<br>Whole<br>Same size<br>Bar model<br>Sharing/grouping objects | *Same as previous and:*<br>Name fractions: 1/3, ¼, 2/4 and ¾<br>Equivalent<br>Equivalence<br>Two quarters<br>Numerator<br>Denominator | *Same as previous and:*<br>Numerator<br>Denominator<br>Fifths<br>Sixths<br>Eighths<br>Ninths<br>Tenths<br>Unit-fraction<br>Non-unit fraction<br>Vinculum (line separating numerator from denominator)<br>Same denominator<br>Within one whole | *Same as previous and:*<br>Common equivalent fractions<br>Hundredths<br>Decimal equivalents | *Same as previous and:*<br>Mixed numbers<br>Improper fractions<br>Proper fractions<br>Decimals as fractions<br>Percent and the symbol %<br>Percentage and decimal equivalents. | *Same as previous and:*<br>Simplify fractions<br>Decimal, fraction, percentage equivalence |
| **Measurement** | Measure<br>Full<br>Empty<br>Holds<br>Container<br>Compare<br>Weight<br>Time<br>Monday<br>Tuesday<br>Wednesday<br>Thursday<br>Friday<br>Saturday<br>Sunday<br>Birthday<br>Heavy<br>Light<br>Night<br>Day | *Same as previous and:*<br>**Time:**<br>Year<br>Month<br>Week<br>Weekend<br>Day<br>January<br>February<br>March<br>April<br>May<br>June<br>July<br>August<br>September<br>October<br>November<br>December<br>Hour<br>Minute | *Same as previous and:*<br>**Time:**<br>Analogue<br>Five minutes<br>Quarter past<br>Quarter to<br>Clockwise<br>Anticlockwise<br><br>**Mass:**<br>Gram (g)<br>Kilogram (kg)<br><br>**Length**<br>Width<br>Centimetre (cm)<br>Metre (m)<br><br>**Capacity/Volume:**<br>Litre (l) | *Same as previous and:*<br>Millimetre (mm)<br>Perimeter<br>Nearest minute<br>Compare time<br>Leap year<br>Duration<br>Noon<br>Midnight<br>Digital clock<br>12-hour clock | *Same as previous and:*<br>Convert<br>Rectilinear<br>Area<br>24-hour clock<br>Kilometre (km)<br>Hours to minutes<br>Minutes to seconds<br>Years to months<br>Weeks to days | *Same as previous and:*<br>Metric<br>Imperial<br>Inches<br>Yard<br>Foot<br>Pounds<br>Pints<br>Composite rectilinear<br>Standard units<br>Square centimetres ($cm^2$)<br>Square metres ($m^2$)<br>Volume measured in $^3$<br>Units of time | *Same as previous and:*<br>Miles (m)<br>Miles per hour (mph)<br>Kilometres per hour (kph)<br>Area of parallelogram<br>Area of triangles<br>Volume of cubes and cuboids standard units e.g. ($cm^3$, $m^3$, $mm^3$, $km^3$) |

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| | | Second<br>Morning<br>Afternoon<br>Evening<br>Yesterday<br>Today<br>Tomorrow<br>Before<br>After<br>Old(er)<br>New(er)<br>Clock (face )<br>O'clock<br>Half past<br>Watch<br>Hour (hand)<br>Minute (hand)<br>Half past/to<br>Fast(er)<br>Quick(er)<br>Slow(er)<br>Early<br>Earlier<br>Late<br>Later<br>**Mass:**<br>Weigh<br>Heavy<br>Weigh<br>Heavier (than) Heaviest<br>Lightest<br>Lighter (than)<br>(weighing) scales<br><br><br><br>**Length:**<br>Length<br>Long (er) (est) | Millilitre (ml)<br>**Temperature:**<br>Degrees<br>Celsius<br>Thermometer<br><br>**Money:**<br>Price<br>Cost<br>Amount<br>Change<br>£ symbol<br>p symbol | | | | |

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| | | Short (er) (est)<br>Ruler<br>Near<br>Far<br>Distance<br>Measure<br>Centimetre (cm)<br><br>**Capacity/Volume**<br>More than<br>Less than<br>Half full<br>Quarter full<br><br>**Money:**<br>Note<br>Penny<br>Pound<br>*Coin values:*<br>One pence<br>Two pence<br>Five pence<br>Ten pence<br>Twenty pence<br>Fifty pence | | | | | |

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| **Geometry: properties of shape** | Sort<br>Shape<br>Square<br>Triangle<br>Rectangle<br>Circle<br>Flat<br>Round<br>Make<br>Build<br>Draw<br>Side | *Same as previous and:*<br>2-D<br>3-D<br>Cube<br>Cuboid<br>Pyramid<br>Sphere<br>Cone<br>Cylinder<br>Corner<br>Face | *Same as previous and:*<br>Vertices<br>Edges<br>Faces<br>Symmetry<br>Vertical<br>Horizontal<br>Quadrilateral<br>Polygon<br>Prism | *Same as previous and:*<br>Orientation<br>Degree(s)<br>Right angle<br>Greater than a right angle<br>Less than a right angle<br>Reflex<br>Perpendicular<br>Parallel<br>Horizontal<br>Quadrilateral<br>Polygon<br>Prism | *Same as previous and:*<br>Acute<br>Obtuse<br>Lines of symmetry<br>Isosceles<br>Equilateral<br>Scalene<br>Parallelogram<br>Rhombus<br>Trapezium<br>Pentagon<br>Hexagon<br>Heptagon<br>Octagon<br>Nonagon<br>Decagon<br>Irregular polygon<br>Regular polygon | *Same as previous and:*<br>Nets<br>Reflex angles<br>Degrees (°)<br>Angles at a point (360°)<br>Angles on a straight line (180°)<br>Y axis<br>X axis | *Same as previous and:*<br>Radius<br>Diameter<br>Circumference<br>Vertically opposite angles |
| **Geometry: position and direction** | Top<br>Middle<br>Bottom<br>In front of<br>Behind<br>Between<br>Above<br>Below<br>Around<br>Near<br>Far<br>Up<br>Down<br>Forwards<br>Backwards<br>Inside<br>Outside | *Same as previous and:*<br>Half turn<br>Quarter turn<br>Three quarter turn<br>Position<br>Direction<br>Journey<br>Near<br>Along<br>Movement<br>Across<br>Left<br>Right<br>To<br>From | *Same as previous and:*<br>Sequence<br>Straight<br>Curved<br>Rotate<br>Rotation<br>Angle<br>Right angle | | *Same as previous and:*<br>Coordinates<br>Equal scales<br>Integer labels<br>First quadrant<br>Axes<br>Axis<br>Scale<br>Grid<br>Plot | *Same as previous and:*<br>Reflection<br>Translation | *Same as previous and:*<br>Four quadrants<br>Reflect in the axis<br>Equal scaling<br>Predict missing coordinates |



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| **Statistics** | | | Pictograms<br>Tally chart<br>Block diagram<br>Table<br>Category(ies) | *Same as previous and:*<br>Bar chart<br>Scale<br>Key<br>Interpret<br>Data | *Same as previous and:*<br>Label<br>Graph<br>Time graphs<br>Comparison problems | *Same as previous and:*<br>Line graph<br>Timetables<br>Discrete data<br>Continuous data | *Same as previous and:*<br>Pie charts<br>Mean<br>Average<br>Sector |
| **Algebra** | | | | | | | Symbol<br>Formula(e)<br>Sequence<br>Algebraic(ally)<br>Equation<br>Expression<br>Unknown<br>Variable<br>Generalise<br>Linear sequence<br>Enumerate possibilities |