

Maths Vocabulary Progression 2021 – Trinity Croft

	FS2	Y1	Y2	Y3	Y4	Y5	Y6
<p><b>Number and Place Value</b> <i>(The Number System)</i></p>	<p>Number; zero; numbers to 20; count, forwards, backwards; how many, more, fewer, equal, group; order, largest, smallest, less; even, odd.</p>	<p>One, Two, Three, Four, Five, Six, Seven, Eight, Nine, Ten, Eleven, Twelve, Thirteen, Fourteen, Fifteen, Sixteen, Seventeen, Eighteen, Nineteen, Twenty More than, greater, larger, bigger Less than, fewer, smaller Equal to, the same amount as, as many as Greatest/ Most/biggest/largest Least/fewest/smallest Hundreds, Tens, units (ones) Exchange Digit</p> <p><b>Notation</b> The equals symbol (=)</p>	<p>Place value Digit One-digit Two-digit Three-digit Hundreds, tens, ones (units) Number words to one hundred Estimate Represent Partition Exchange</p> <p><i>Counting and Comparing</i> Greater than / Less than, Greatest / Least Value Order Steps Multiple (of) Tens Digits Pattern Sequence Count on/ back Forward/ backward Predict Rule</p> <p><b>Notation:</b> &lt;, &gt; and = signs</p>	<p>Place value Digit Hundreds Tens Ones Estimate Number line Scale</p> <p><i>Counting and Comparing</i> Place value Digit Multiple More Less Zero Positive Negative (One, Two) Decimal Place Number line</p> <p><b>Notation</b> Use of &lt;, &gt; and = symbols when comparing numbers</p>	<p>Place value Digit Thousands Hundreds Tens Ones Zero Roman Numeral Estimate Number line Scale</p> <p><i>Counting and Comparing</i> Place value Digit Multiple More Less Zero Positive Negative (One, Two) Decimal Place Number line</p> <p><i>Checking, Approximating, Estimating</i> Approximate (noun and verb) Round Decimal place Check Solution Answer Estimate (noun and verb)</p> <p><b>Notation</b> The approximately equal symbol (<math>\approx</math>)</p>	<p>Multiple (Common) factor Divisible Factor pairs Prime number, Composite number Square number, Cube number Power</p> <p><b>Notation</b> <math>5^2</math> is read as '5 squared' and means '2 lots of 5 multiplied together' <math>5^3</math> is read as '5 to the power of 3' or '5 cubed' and means '3 lots of 5 multiplied together'</p> <p><i>Counting and Comparing</i> Place value Digit Roman numerals Negative number Forwards Backwards Ascending Descending Pattern Sequence</p> <p><i>Checking, Approximating, Estimating</i> Approximate (noun and verb) Round Decimal place Check Solution Answer Estimate (noun and verb) Accurate Accuracy</p> <p><b>Notation</b> The approximately equal symbol (<math>\approx</math>)</p>	<p>Place value Digit Negative number (Common) multiple (Common) factor Divisible Prime number, Composite number</p> <p><i>Checking, Approximating, Estimating</i> Approximate (noun and verb) Round Decimal place Check Solution Answer Estimate (noun and verb) Order of magnitude Accurate Accuracy</p> <p><b>Notation</b> The approximately equal symbol (<math>\approx</math>)</p>

<p><b>Addition/ Subtraction</b></p>	<p>add, more, and make, sum, total altogether double one more, two more ... ten more how many more to make ...? how many more is ... than ...? how much more is ...? take away how many are left/left over? how many have gone? one less, two less, ten less ... how many fewer is ... than...? how much less is ...? difference between</p>	<p>One more, one less Count on, count back One hundred Number bonds/ number facts Addition facts/ subtraction facts Fact family Add, subtract Count on, count back More, less Plus, minus, total, sum Difference between Equal, equal to</p> <p><b>Notation</b> The symbols '+', '-' and '='</p>	<p>Add, subtract Count on, count back More, less Plus, minus, total, sum Difference between Partition Bridge Round, adjust Inverse Number line Number facts Multiple of ten, tens boundary</p>	<p>Calculation Calculate Addition Subtraction Sum, Total Difference, Minus, Less Column addition Exchange Inverse Operation Estimate Inverse Operation</p>	<p>Addition Subtraction Sum, Total Difference, Minus, Less Column addition Column subtraction Exchange Inverse Operation Estimate</p>	<p>Addition Subtraction Sum, Total Difference, Minus, Less Column addition Column subtraction Exchange Inverse Operation Estimate</p>	<p>Addition Subtraction Sum, Total Difference, Minus, Less Column addition Column subtraction Exchange Inverse Operation Estimate</p>
<p><b>Multiplication/ Division</b></p>	<p>Double, half, halve, halving, pairs, twice as many, share, equal, unequal, group, left over</p>	<p>Calculation, Calculate Odd, Even Multiply, Multiplication, Times, Product Repeated addition Array Divide, Division Groups Grouping Sharing</p>	<p>Calculation, Calculate Multiplication table, Times table Odd, Even Multiply, Multiplication, Times, Product Repeated addition Array Mathematical statement Commutative Divide, Division Inverse Operation</p> <p><b>Notation:</b> ×, ÷ and = signs</p>	<p>Calculation Calculate Mental arithmetic Multiplication table, Times table Multiply, Multiplication Times Product Commutative Divide, Division Inverse Operation Estimate</p>	<p>Mental arithmetic Place value Multiply, Multiplication, Times, Product Commutative Divide, Division Tenth, Hundredth Factor, Factor pairs Short multiplication Operation Estimate</p>	<p>Multiply, Multiplication, Times, Product Commutative Divide, Division, Divisible Divisor, Dividend, Quotient, Remainder Factor Short multiplication, Long multiplication Short division Short division Operation Estimate</p> <p><b>Notation</b> Remainders are often abbreviated to 'r'</p>	<p>Multiply, Multiplication Times Product Commutative Factor Short multiplication Long multiplication</p> <p><b>Division</b> Commutative Divide, Division, Divisible Divisor, Dividend, Quotient, Remainder Factor Short division Long division Remainder Operation Estimate</p> <p><b>Notation</b> Remainders are often abbreviated to 'r'</p>

<p><b>Fractions, Decimals and Percentages</b></p>	<p>Half, halve, halving Part whole</p>	<p>Part Equal Whole Half, halves Quarter Fraction Numerator Denominator</p>	<p>Part Equal Whole Half, halves Quarter, three quarters Third Equivalent Fraction Numerator Denominator Unit fraction, non-unit fraction</p>	<p>Fraction Unit fraction Non-unit fraction Numerator Denominator Equivalent (fraction) Compare Greater than, less than</p> <p><b>Notation</b> Use of &lt;, &gt; and = symbols when comparing fractions</p> <p><i>Calculating Fractions</i> Place value Tenth Decimal Divide Fraction Unit fraction Non-unit fraction Numerator Denominator Add Subtract</p> <p><b>Notation</b> Decimal point t notation for tenths</p>	<p>Place value Tenth, hundredth Decimal Divide Fraction Numerator Denominator Tenth Hundredth Decimal</p> <p><b>Notation</b> Decimal point t, h notation for tenths, hundredths</p> <p><i>Calculating Fractions</i> Fraction Unit fraction, non-unit fraction Improper fraction Top-heavy fraction Numerator, denominator Add, subtract Equivalent (fraction) Family</p>	<p>Fraction Numerator Denominator Improper fraction, Proper fraction, Vulgar fraction, Top-heavy fraction Tenth, hundredth, thousandth Per cent, Percentage Decimal Equivalent</p> <p><i>Calculating Frac/Dec/Perc</i> Place value Tenth, hundredth, thousandth Decimal Proper fraction, Improper fraction, top-heavy fraction Vulgar fraction Numerator, denominator Percent, percentage</p> <p><b>Notation</b> Decimal point t, h, th notation for tenths, hundredths, thousandths</p>	<p>Fraction Improper fraction, Proper fraction, Vulgar fraction, Top-heavy fraction Percentage Decimal Proportion Simplify Equivalent Lowest terms</p> <p><i>Calculating Frac/Dec/Perc</i> Mixed number Equivalent fraction Simplify, cancel Lowest terms Proper fraction Improper fraction, top-heavy fraction Vulgar fraction Numerator, denominator Percent, percentage</p> <p><b>Notation</b> Mixed number notation</p>
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<p><b>Measure</b></p>	<p>Now, before, soon, later, after, next, fastest; time, yesterday, today, tomorrow, day, week, weekend, month, year; Days of the week: Monday, Tuesday, etc. Seasons: spring, summer, autumn, winter; birthday, holiday; Morning, afternoon, evening, night, midnight bedtime, dinner/lunch time, playtime; length, height, breadth, tall, short, long, tallest, shortest, longest, longer/shorter, taller/shorter, wider/narrower, weigh, weight, heavy, heavier, heaviest, light, lighter, lightest, balance</p>	<p>Measure Length, height, distance Mass, weight Time Capacity, volume Long, short, longer, shorter, tall, taller Heavy, light, heavier, lighter Full, empty, half full Quicker, slower, earlier, later More than, greater than, less than Double, half, quarter Hour, minutes, second Ruler Container Order, Compare</p>	<p>Unit Length, height, distance, width, breadth Mass, weight Temperature Capacity, volume Metre, centimetre Gram, kilogram Litre, millilitre Degrees Celsius Ruler, metre stick, tape measure Scale, scales Thermometer Container, vessel Order, Compare, greater than, less than</p> <p><b>Notation</b> Abbreviations of units: m, cm, g, kg, l, ml, °C The symbols &gt;, &lt; and =</p>	<p>Length, distance Mass Volume Capacity Metre, centimetre, millimetre Kilogram, gram Litre, millilitre Perimeter 2-D</p> <p><b>Notation</b> Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml</p>	<p>Length, distance Mass Volume Capacity Metre, centimetre, millimetre Kilogram, gram Litre, millilitre Hour, minute, second Decimal</p> <p><b>Notation</b> Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml</p> <p><i>Calculating Space</i> Perimeter Area Dimensions Square Rectangle Rectilinear Polygon Millimetre, Centimetre, Metre, Kilometre</p> <p><b>Notation</b> Abbreviations of units in the metric system: km, m, cm, mm</p>	<p>Length, distance Mass, weight Volume Capacity Metre, centimetre, millimetre Kilogram, gram Litre, millilitre Hour, minute, second Inch, foot, yard Pound, ounce Pint, gallon</p> <p><b>Notation</b> Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml Abbreviations of units in the Imperial system: lb, oz</p> <p><i>Calculating Space</i> Perimeter Area Volume Capacity Dimensions Square, rectangle Composite rectilinear Polygon Cube, cuboid Millimetre, Centimetre, Metre, Kilometre Square centimetre, square metre Cubic centimetre, centimetre cube Square unit</p> <p><b>Notation</b> Abbreviations of units in the metric system: km, m, cm, mm, cm<sup>2</sup>, m<sup>2</sup>, cm<sup>3</sup></p>	<p>Length, distance Mass, weight Volume Capacity Metre, centimetre, millimetre Tonne, kilogram, gram, milligram Litre, millilitre Hour, minute, second Inch, foot, yard Pound, ounce Pint, gallon</p> <p><b>Notation</b> Abbreviations of units in the metric system: m, cm, mm, kg, g, l, ml Abbreviations of units in the Imperial system: lb, oz</p> <p><i>Calculating Space</i> Perimeter, area, volume, capacity Square, rectangle, parallelogram, triangle Composite rectilinear Polygon Cube, cuboid Millimetre, Centimetre, Metre, Kilometre Square millimetre, square centimetre, square metre, square kilometre Cubic centimetre, centimetre cube Formula, formulae Convert Length, breadth, depth, height, width</p> <p><b>Notation</b> Abbreviations of units in the metric system: km, m, cm, mm, mm<sup>2</sup>, cm<sup>2</sup>, m<sup>2</sup>, km<sup>2</sup>, mm<sup>3</sup>, cm<sup>3</sup>, km<sup>3</sup></p>
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<p><b>Shape</b></p>	<p>Shape, circle, triangle, rectangle, square, edge, straight, curved, cylinder, cube, cuboid, cone, sphere, pyramid, face, vertex, same, different, pattern.</p>	<p>Shape, circle, triangle, rectangle, square, edge, straight, curved, cylinder, cube, cuboid, cone, sphere, pyramid, face, vertex, same, different, pattern. Polygon, 2D, 3D, sort</p>	<p>2-D shape (polygon) Rectangle, Square, Circle, Triangle and other 2-D shapes Quadrilateral Circular, Triangular, Rectangular 3-D shape Cuboid, Cube, Cone, Cylinder, Pyramid, Sphere, Prism Side, Corner, Line symmetry, Vertical Mirror line, Reflection, Fold Edge, Vertex, Vertices, Face Regular Irregular</p>	<p><b>Visualising/Constructing</b> Horizontal Vertical Perpendicular Parallel Face, Edge, Vertex (Vertices) Cube, Cuboid, Prism, Cylinder, Pyramid, Cone, Sphere Quadrilateral Square, Rectangle, Parallelogram, (Isosceles) Trapezium, Kite, Rhombus Triangle, Circle Polygon, Hexagon, Pentagon, Octagon, Decagon</p> <p><b>Notation</b> Arrow notation to represent parallel lines Right angle notation for perpendicular lines</p> <p><b>Angles</b> Half Quarter Three quarters Angle Turn Right angle Greater than, less than</p> <p><b>Notation</b> Right angle notation</p>	<p>Symmetry Line of symmetry, Mirror line Reflect, Reflection Congruent Perpendicular, Paralle Vertex (Vertices) Side, Edge Quadrilateral Square, Rectangle, Parallelogram, (Isosceles) Trapezium, Kite, Rhombus Triangle Scalene, Right-angled, Isosceles, Equilateral Polygon, Hexagon, Pentagon, Octagon, Decagon Circle</p> <p><b>Notation</b> Dash notation to represent equal lengths in shapes and geometric diagrams Right angle notation to indicate perpendicular lines</p> <p><b>Angles</b> Turn Angle Right angle Acute angle Obtuse angle Greater than, less than</p> <p><b>Notation</b> Right angle notation Arc notation for all other angles</p>	<p><b>Properties of Shape</b> Rectangle Square Quadrilateral (Regular / irregular) polygon, pentagon, hexagon, octagon (Right) angle Parallel Perpendicular Coordinates</p> <p><b>Notation</b> Dash notation to represent equal lengths in shapes and geometric diagrams Right angle notation (Cartesian) coordinates</p> <p><b>Visualising/Constructing</b> Cube Cuboid Cylinder Pyramid Prism Cone Sphere 2D 3D Net Sketch Isometric paper</p> <p><b>Angles</b> Turn Angle Degrees Right angle Acute angle Obtuse angle Reflex angle Protractor</p> <p><b>Notation</b> Right angle notation Arc notation for all other angles The degree symbol (°)</p>	<p><b>Properties of Shape</b> Quadrilateral, Square, Rectangle, Parallelogram, (Isosceles) Trapezium, Kite, Rhombus, Delta, Arrowhead Triangle, Scalene, Right- angled, Isosceles, Equilateral Polygon, Regular, Irregular Pentagon, Hexagon, Octagon, Decagon, Dodecagon Circle, Radius, Diameter, Circumference, Centre Parallel Diagonal</p> <p><b>Notation</b> Dash notation to represent equal lengths in shapes and geometric diagrams Right angle notation</p> <p><b>Visualising/Constructing</b> Protractor Measure Nearest Construct Sketch Cube, Cuboid, Cylinder, Pyramid, Prism Net Edge, Face, Vertex (Vertices) Visualise</p> <p><b>Angles</b> Degrees Right angle Acute angle Obtuse angle Reflex angle Protractor Vertically opposite The degree symbol (°)</p>
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<p><b>Mathematical Movement (Position and Direction)</b></p>	<p>position over, under above, below top, bottom, side on, in outside, inside around in front, behind front, back beside, next to opposite apart between middle, edge corner direction left, right up, down forwards, backwards, sideways across next to, close, near, far along through to, from, towards, away from movement slide roll turn stretch, bend whole turn, half turn</p>	<p>Position Direction Top, middle, bottom On top of In front of Above Between Around, Near, Close, Far Up, Down Inside, Outside Forwards, Backwards Left, Right Half turn, Quarter turn, Three-quarters turn Straight Line Clockwise</p>	<p>Forwards, Backwards Left, Right Angle Right angle Turn Quarter, Half, Three quarters Rotation Position Direction Straight Line Clockwise, anticlockwise</p>	<p>Half Quarter Three quarters Angle Turn Right angle Greater than, less than</p> <p><b>Notation</b> Right angle notation</p>	<p>2-D Grid Axis, axes, x-axis, y-axis Origin (First) quadrant (Cartesian) coordinates Point Translation Transformation Left, right, up, down</p> <p><b>Notation</b> Cartesian coordinates should be separated by a comma and enclosed in brackets (x, y)</p>	<p>2-D Grid Axis, axes, x-axis, y-axis Origin (First) quadrant (Cartesian) coordinates Point Translation Reflection Transformation Object, Image Congruent, congruence</p> <p><b>Notation</b> Cartesian coordinates should be separated by a comma and enclosed in brackets (x, y)</p>	<p>2-D Grid Axis, axes, x-axis, y-axis Origin Quadrant (Cartesian) coordinates Point Translation Reflection Transformation Object, Image Congruent, congruence</p> <p><b>Notation</b> Cartesian coordinates should be separated by a comma and enclosed in brackets (x, y)</p>
<p><b>Money</b></p>	<p>money coin penny, pence, pound price, cost buy, sell spend, spent pay</p>	<p>Money Coin Note Spend, Buy,</p>	<p>Money Coin Change Note</p> <p><b>Notation</b> Pounds (£) Pence (p)</p>	<p>Money Coin Change Note</p> <p><b>Notation</b> Pounds (£) Pence (p)</p>	<p>Money Coin Change Note</p> <p><b>Notation</b> Pounds (£) Pence (p)</p>	<p>Money Coin Change Note</p> <p><b>Notation</b> Pounds (£) Pence (p)</p>	<p>Money Coin Change Note</p> <p><b>Notation</b> Pounds (£) Pence (p)</p>

<p><b>Time</b></p>	<p>time days of the week, Monday, Tuesday ... day, week birthday, holiday morning, afternoon, evening, night bedtime, dinner time, playtime today, yesterday, tomorrow before, after next, last now, soon, early, late quick, quicker, quickest, quickly slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less time hour, o'clock clock, watch, hands</p>	<p>Day, week, month, season, year, leap year Weekend, fortnight Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday January, February, March, April, May, June, July, August, September, October, November, December Before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening Clock Hand, hour hand, minute hand Hour, minute o'clock, half past <b>Notation</b> A colon is used to separate hours and minutes when writing the time</p>	<p><b>Time</b> Hour, minute, second Day o'clock Half past Quarter to, quarter past Clock Hands Analogue Interval <b>Notation</b> A colon is used to separate hours and minutes when writing the time</p>	<p>Analogue 12-hour 24-hour o'clock Morning Afternoon Noon, Midnight Second, Minute, Hour Day, Week, Month Year Leap year Roman Numeral <b>Notation</b> The Roman numeral for 4 is IV. It is the only exception to the rules of Roman numerals as it is sometimes written IIII on a clock or watch Using a.m. and p.m. for 12-hour clock notation</p>	<p>Analogue Digital 12-hour 24-hour Second, Minute, Hour Day, Week, Month, Year <b>Notation</b> 12-hour and 24-hour notation use a ':', for example 18:40 and 9:30 a.m.</p>	<p>Millennium Century Decade Year Month Week Day Hour Minute Second Timetable <b>Notation</b> 12- and 24-hour clock notation 24-hour clock notation can be with or without a colon separating hours and minutes</p>	<p>Millennium Century Decade Year Month Week Day Hour Minute Second Timetable <b>Notation</b> 12- and 24-hour clock notation 24-hour clock notation can be with or without a colon separating hours and minutes</p>
<p><b>Data</b></p>			<p><b>Presentation of Data</b> Data Pictogram Tally, Tally chart Block diagram Table Category, Categorical data Total Compare <b>Notation</b> When tallying, groups of five are created by striking through each group of four</p>	<p><b>Presentation of Data</b> Data Pictogram Symbol Key Tally Bar chart Table Total Compare Axis <b>Notation</b> When tallying, groups of five are created by striking through each group of four</p>	<p><b>Presentation of Data</b> Data Pictogram Symbol Key Tally Bar chart Time graph Scale Axis Graph Frequency</p>	<p><b>Presentation of Data</b> Data Scale Axis Graph Frequency Time graph, Time series Line graph Bar-line graph, vertical line chart Maximum, minimum</p>	<p><b>Presentation of Data</b> Data Scale Axis, axes Graph Frequency Time graph, Time series Line graph Pie chart Sector Angle Protractor Degrees Maximum, minimum  <b>Measuring Data</b> Average Mean Measure Data Statistic Statistics Approximate Round</p>

Ratio and Proportion							Proportion Quantity Integer Similar (shapes) Enlargement Scale factor Group Share Multiples
Algebra							<i>Using Formulae</i> Formula, Formulae Expression Variable Substitute Symbol Mile Kilometre Metric Imperial  Pattern Sequence Linear Term Ascending Descending  <i>Solving Equations and Inequalities</i> Algebra, algebraic, algebraically Symbol Expression Variable Substitute Equation Unknown Enumerate