

## Secondary Maths Progression – Entry Level

<b>Entry Level 1</b>	Introduces basic counting, simple addition /subtraction, recognising shapes, and reading simple information, helping learners build confidence in handling everyday number, shape, and data tasks.	<p style="text-align: center;"><b>Using Numbers</b></p> <p>Read, write, and order numbers up to 20. Add numbers which total up to 20 and subtract from numbers up to 20.</p>	<p style="text-align: center;"><b>Common Measures, Shape and Space</b></p> <p>Recognise common 2D and 3D shapes. Recognise coins and notes. Simple time (hours, days of the week, months, seasons) Describe &amp; compare size, length, weight, capacity etc.</p>	<p style="text-align: center;"><b>Handling Information and Data</b></p> <p>Read numerical information from lists. Read and draw simple charts and diagrams, including a tally chart, block diagram &amp; graph.</p>
<b>Entry Level 2</b>	Develops whole number skills, simple multiplication/ division, recognising and describing 2D/3D shapes, and interpreting basic data from lists, tables, and diagrams for everyday problem-solving.	<p style="text-align: center;"><b>Using Numbers</b></p> <p>Whole numbers up to 100. Add and subtract (2-digits). 2-digit by 1-digit division &amp; express remainders. Multiply whole numbers 0x0 to 12x12 Use decimals to 1dp Round to nearest 10. Recognise simple fractions (halves, quarters, tenths)</p>	<p style="text-align: center;"><b>Common Measures, Shape and Space</b></p> <p>Use metric measures - length, weight, capacity. Simple calculations with money. Names &amp; properties of common 2D and 3D shapes. Analogue time: hours, half hours, &amp; quarter hours. 24 hr clock - read hours.</p>	<p style="text-align: center;"><b>Handling Information and Data</b></p> <p>Extract information from lists, tables, diagrams, bar charts. Make numerical comparisons from bar charts. Take information from one format and represent in another format.</p>
<b>Entry Level 3</b>	Extends understanding of fractions, money, measures, and time, explores 2D/3D shape properties and introduces charts and tables to support everyday decision-making.	<p style="text-align: center;"><b>Using Numbers</b></p> <p>Whole numbers up to 1000. Add &amp; subtract (3-digits). 3-digit by 1-digit &amp; 2-digit division &amp; express remainders. 2-digit by 1-digit &amp; 2-digit multiplication. Round to nearest 10, 100. Use decimals up to 2dp Fractions: thirds, quarters, fifths, tenths &amp; equivalents Continue linear sequences.</p>	<p style="text-align: center;"><b>Common Measures, Shape and Space</b></p> <p>Calculate with money, &amp; round to nearest £1 or 10p. Read time (analogue &amp; 24hr) Compare metric measures. 2D &amp; 3D shapes: lines of symmetry, right angles. Appropriate positional vocab &amp; 8 compass points.</p>	<p style="text-align: center;"><b>Handling Information and Data</b></p> <p>Extract information &amp; create frequency tables from lists, tables, diagrams, charts. Interpret &amp; compare information from bar charts &amp; simple line graphs. Represent information in tables, diagrams, simple line graphs, simple bar charts.</p>

## Secondary Maths Progression – Functional Skills

<b>Level 1</b>	Builds skills in decimals, percentages, ratios, and measures, applies knowledge to perimeter, area, and volume, and interprets charts, tables, and graphs to solve practical problems.	<p style="text-align: center;"><b>Using Numbers</b></p> <p>Use &amp; calculate with positive numbers, negative numbers, decimals, fractions, percentages.</p> <p>Multiply &amp; divide whole numbers &amp; decimals by 10,100, 1000.</p> <p>Use simple formulae.</p> <p>Calculate square numbers.</p> <p>Follow order of operations.</p> <p>Simple percentage increases &amp; decreases (multiples of 5%)</p> <p>Fractions of a quantity.</p> <p>Simple ratio &amp; direct proportion.</p>	<p style="text-align: center;"><b>Common Measures, Shape and Space</b></p> <p>Common Measures, Shape and Space</p> <p>Simple interest &amp; discounts</p> <p>Convert between units of length, weight, capacity, money, time.</p> <p>Use simple scales on maps &amp; drawings.</p> <p>Area &amp; perimeter of simple shapes, volumes of cubes &amp; cuboids. Interpret plans, elevations, nets of simple 3D shapes.</p> <p>Draw 2D shapes, line symmetry &amp; relative size of angles.</p> <p>Measure &amp; use angles when describing position &amp; direction.</p>	<p style="text-align: center;"><b>Handling Information and Data</b></p> <p>Calculate median &amp; mode.</p> <p>Use mean, median, mode, range to compare 2 sets of data. Estimate the mean of a grouped frequency distribution from discrete data.</p> <p>Express probabilities as fractions, decimals, percentages.</p> <p>Probability of combined events.</p> <p>Draw &amp; interpret scatter diagrams - positive / negative correlation.</p>
<b>Level 2</b>	Strengthens skills in complex calculations, fractions, percentages, and ratios, explores shape, scale, and measures, and analyses data using probability, statistics, and graphs for real-life contexts	<p style="text-align: center;"><b>Using Numbers</b></p> <p>Evaluate expressions &amp; make substitutions in given formulae.</p> <p>Equivalent fractions, decimals, percentages. Express one amount as a percentage / fraction of another.</p> <p>Calculate percentage change &amp; original value after percentage change. Calculate with decimals (3dp).</p> <p>Proper fractions, improper fractions, mixed numbers. Ratios, direct &amp; inverse proportion.</p>	<p style="text-align: center;"><b>Common Measures, Shape and Space</b></p> <p>Money: compound interest.</p> <p>Conversion: metric &amp; imperial</p> <p>Compound measures: speed, density, rates of pay.</p> <p>Perimeter &amp; area of triangles, circles &amp; composite shapes.</p> <p>Volume &amp; surface area of 3D shapes. Draw 3D shapes including plans &amp; elevations.</p> <p>Actual dimensions from scale drawings &amp; draw scale diagram. Coordinates in 2D, positive &amp; negative. Calculate values of angles/coordinates with 2D/3D shapes.</p>	<p style="text-align: center;"><b>Handling Information and Data</b></p> <p>Represent discrete data in tables, pie charts, bar charts, line graphs. Group discrete data and represent grouped data graphically.</p> <p>Find the mean and range of a set of quantities.</p> <p>Probability on a scale from 0 to 1, compare likelihood of events. Find probabilities of simple events &amp; express them as fractions.</p>