



**Curriculum Journey 2025-2025**  
**Subject: Mathematics 11 Foundation**  
**Exam board: Edexcel**

Year 11	Half Term 1	Half term 2	Half Term 3	Half Term 4	Half term 5	Half Term 6
Topic	Probability; Ratio; Proportion; Multiplicative reasoning (percentages, rates of change, compound measures)	Right-angled triangles (Pythagoras and trigonometry); Plans and elevations; Constructions, loci, bearings	Quadratic equations (expanding, factorising, graphs); Perimeter, area and volume (circles, cylinders, cones, spheres); Fractions; Indices and standard form	Similarity and congruence; Vectors; Rearranging equations; Graphs of cubic and reciprocal functions; Simultaneous equations; Transformations	Consolidation and Revision	
Vocabulary	<ul style="list-style-type: none"> <li>• Probability</li> <li>• Outcome</li> <li>• Independent</li> <li>• Dependent</li> <li>• Frequency</li> <li>• Ratio</li> <li>• Proportion</li> <li>• Percentage</li> <li>• Compound measure</li> <li>• Best value</li> </ul>	<ul style="list-style-type: none"> <li>• Pythagoras</li> <li>• Trigonometry</li> <li>• Sine</li> <li>• Cosine</li> <li>• Tangent</li> <li>• Elevation</li> <li>• Plan</li> <li>• Bearing</li> <li>• Locus</li> <li>• Construction</li> </ul>	<ul style="list-style-type: none"> <li>• Quadratic</li> <li>• Factorise</li> <li>• Expand</li> <li>• Parabola</li> <li>• Perimeter</li> <li>• Volume</li> <li>• Fraction</li> <li>• Reciprocal</li> <li>• Index</li> <li>• Standard form</li> </ul>	<ul style="list-style-type: none"> <li>• Similar</li> <li>• Congruent</li> <li>• Vector</li> <li>• Translation</li> <li>• Rotation</li> <li>• Simultaneous</li> <li>• Reciprocal</li> <li>• Cubic</li> <li>• Transformation</li> <li>• Function</li> </ul>		
Assessment	Milestones	Milestones and Mock	Milestones	Milestones and Mock		



<p>Links to prior learning</p>	<ul style="list-style-type: none"> <li>Working with fractions and decimals</li> <li>Understanding ratios from KS3</li> <li>Converting between percentages, decimals, fractions</li> <li>Listing outcomes systematically</li> <li>Using basic measures of speed, density, rates of pay</li> </ul>	<ul style="list-style-type: none"> <li>Recognising right-angled triangles</li> <li>Measuring angles</li> <li>Using scale drawings and maps</li> <li>Plotting coordinates and reading grids</li> <li>Simple angle rules in shapes</li> </ul>	<ul style="list-style-type: none"> <li>Expanding and simplifying expressions</li> <li>Working with area and volume of simple shapes</li> <li>Fractions operations in KS3</li> <li>Understanding indices laws</li> <li>Recognising powers of ten</li> </ul>	<ul style="list-style-type: none"> <li>Working with shapes and symmetry</li> <li>Understanding scale factor and enlargement</li> <li>Solving linear equations</li> <li>Plotting coordinates in all quadrants</li> <li>Using substitution and rearranging formulae</li> </ul>		
<p>Catholic Social Teaching</p>	<p>Encourages fairness and honesty, respecting truthful comparisons and probability as a tool for making fair predictions.</p>	<p>Promotes respect for precision and integrity in planning, reflecting stewardship and care for creation.</p>	<p>Supports careful and fair measurement, valuing the accuracy and consistency of truth.</p>	<p>Promotes respect for clarity and fairness, encouraging precise reasoning and valuing order in problem-solving.</p>		
<p>Careers and Personal Development links</p>	<p>Supports decision-making skills in finance, retail, construction trades, and quality control.</p>	<p>Relevant to surveying, engineering, architecture, and construction planning.</p>	<p>Relevant to trades, design, engineering, building and quality assurance roles.</p>	<p>Links to roles in technical drawing, data handling, architecture, and navigation.</p>		

