

Alternative Provision Maths Curriculum

Term	KS3 Curriculum
Autumn	<p>Number and Operations:</p> <ul style="list-style-type: none"> • Place value and number sense • Addition and subtraction of whole numbers • Introduction to fractions and decimals • Factors and multiples • Introduction to ratio and proportion <p>Algebra:</p> <ul style="list-style-type: none"> • Introduction to variables and expressions • Solving simple equations • Solving linear equations and inequalities • Introduction to simultaneous equations <p>Number and Operations:</p> <ul style="list-style-type: none"> • Multiplication and division of whole numbers • Introduction to percentages • Fractions, decimals, and percentages conversions • Problem-solving with fractions and percentages <p>Geometry and Measures:</p> <ul style="list-style-type: none"> • Properties of 2D shapes • Measurement of length, area, and perimeter • Perimeter, area, and volume calculations • Construction and properties of triangles
Spring	<p>Statistics and Probability:</p> <ul style="list-style-type: none"> • Data collection and representation (bar graphs, line graphs) • Introduction to probability • Probability calculations <p>Number and Operations:</p> <ul style="list-style-type: none"> • Introduction to positive and negative numbers • Operations with fractions and decimals • Problem-solving with positive and negative numbers

	<p>Geometry and Measures:</p> <ul style="list-style-type: none">• Properties of 3D shapes• Introduction to volume and surface area
<p>Summer</p>	<p>Algebra:</p> <ul style="list-style-type: none">• Simplifying algebraic expressions• Solving linear equations and inequalities <p>Statistics and Probability:</p> <ul style="list-style-type: none">• Data analysis and interpretation• Introduction to statistical measures (mean, median, mode)• Rounding and estimation• Problem-solving with real-life contexts <p>Geometry and Measures:</p> <ul style="list-style-type: none">• Angles and their properties• Transformational geometry (reflection, rotation, translation)

Term	KS4 Maths
Autumn	<ul style="list-style-type: none"> • Basic Number • Factors and multiples • Decimals • Fractions of an Amount • Review and Assessment • Reflections and Rotations • Algebra • Sequences and nth Terms • Ratio and Proportion • Functional Word Problems
Spring	<ul style="list-style-type: none"> • Area and Perimeter • Functional Word Problems • Interpretation and Representing Data/ Tree Diagrams/ Scatter graphs • Ratio and Proportion • Functional Word Problems • Interpretation and Representing Data/ Tree Diagrams • Graph work, (Quadratics)
Summer	<ul style="list-style-type: none"> • Shape • Angles • Scale Diagrams and Bearings • Money Management • Circles • Scale Diagrams and Bearings • Money Management