



Beamont Collegiate
Academy

Curriculum Overview Mathematics Years 7 – 9



Term	Year 7	Year 8	Year 9
Autumn Term	<p>Higher (Sets 1 and 2)</p> <ul style="list-style-type: none">• Mathematical Literacy• Fractions• Decimals• Fractions, decimals and percentages <p>Foundation (Sets 3 and 4)</p> <ul style="list-style-type: none">• Mathematical Literacy• Calculating• Factors• Number properties and calculations• Analysing and displaying data• Statistics	<p>Higher (Set 1)</p> <ul style="list-style-type: none">• Mathematical Literacy• Angles and shapes• Scale drawing and measures• Graphs <p>Foundation (Sets 2 and 3)</p> <ul style="list-style-type: none">• Mathematical Literacy• Decimal calculations• Number• Number calculations• Expressions and equations• Sequences	<p>Higher (Sets 1, 2 and 3)</p> <ul style="list-style-type: none">• Number• Algebra <p>Foundation (Sets 4, 5 and 6)</p> <ul style="list-style-type: none">• Number• Algebra

<p>Spring Term</p>	<p>Higher (Sets 1 and 2)</p> <ul style="list-style-type: none"> • Decimals • Factors and powers • Equations, functions and formulae • Equations • Working with powers • Perimeter, area and volume <p>Foundation (Sets 3 and 4)</p> <ul style="list-style-type: none"> • Expressions, functions and formulae • Expressions and equations • Decimals and measure • Factors and multiples • Angles and lines • Angles • Measuring and shape 	<p>Higher (Set 1)</p> <ul style="list-style-type: none"> • Powers and roots • Sequences and graphs • Working with powers • 2D shapes and 3D solids • Non-linear graphs <p>Foundation (Sets 2 and 3)</p> <ul style="list-style-type: none"> • Sequences and equations • Statistics • Fractions and percentages • Fractions, decimals and percentages • Shapes and measures in 3D • Geometry in 2D and 3D • Graphs • Algebraic and real-life graphs 	<p>Higher (Sets 1, 2 and 3)</p> <ul style="list-style-type: none"> • Representing and interpreting data • Fractions, ratio and proportion • Angles and trigonometry • Graphs <p>Foundation (Sets 4, 5 and 6)</p> <ul style="list-style-type: none"> • Graphs, tables and charts • Fractions and percentages • Equations, inequalities and sequences
<p>Summer Term</p>	<p>Higher (Sets 1 and 2)</p> <ul style="list-style-type: none"> • 2D shapes and 3D solids • Constructions and loci • Probability • Analysing and displaying data • Collecting and analysing data • Sequences and graphs • Real-life graphs 	<p>Higher (Set 1)</p> <ul style="list-style-type: none"> • Accuracy and measures • Graphical solutions • Trigonometry • Mathematical reasoning • Gap teaching <p>Foundation (Sets 2 and 3)</p>	<p>Higher (Sets 1, 2 and 3)</p> <ul style="list-style-type: none"> • Area and volume • Transformation and constructions • Equations and inequalities • Probability <p>Foundation (Sets 4, 5 and 6)</p>

	<ul style="list-style-type: none"> • Multiplicative reasoning • Transformations <p>Foundation (Sets 3 and 4)</p> <ul style="list-style-type: none"> • Shapes and measures in 3D • Angles • Factors and multiples • Number properties • Sequences • Fractions, decimals and percentages • Fractions and percentages • Probability 	<ul style="list-style-type: none"> • Number properties and calculations • Multiplicative reasoning • Algebraic and geometric reasoning • Probability • Transformations • Polygons and transformations • Gap teaching 	<ul style="list-style-type: none"> • Angles • Averages and range • Perimeter, area and volume
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Higher Tier

This is designed to enable students to access *Grade 9 - 5* and is focussed on providing continuous engagement with **Enhancing** and **Mastery** whilst ensuring that all basic numeracy (mathematical literacy) skills are in place in addition to students' ability to use mathematical reasoning to solve complex problems.

Foundation Tier

This is designed to enable students to access *Grade 5 - 1* and is focussed on providing continuous engagement with **Developing**, **Securing** and **Enhancing** whilst ensuring that all basic numeracy (mathematical literacy) skills are in place in addition to students' ability to use mathematical reasoning to solve complex problems.

A **GOOD PASS** is considered to be a *Grade 5* and this is accessible on both tiers of study.