Beamont Collegiate Academy

Curriculum Overview
Mathematics Years 10-11

Term	Year 10	Year 11
Autumn Term	**Higher (Sets 1, 2 and 3)** • Multiplicative reasoning • Similarity and congruence • Further Statistics **Foundation (Sets 4, 5 and 6)** • Graphs • Transformations • Ratio and Proportion	**Higher (Sets 1, 2, 3, 4, 5 and 6)** • Surface area and Volume • Compound Measures • Transformations • Similarity and Congruence • Quadratic functions, equations and graphs **Foundation (Sets 7, 8 and 9)** • Volume • Probability • Formulae • Angle properties of polygons • Transformations

Spring Term	**Higher (Sets 1, 2 and 3)** • Equations and graphs • Circle Theorems • Algebra • Vectors and Geometric Proof **Foundation (Sets 4, 5 and 6)** • Right angled triangles • Probability • Multiplicative Reasoning	**Higher (Sets 1, 2, 3, 4, 5 and 6)** • Index notations and surds • Circle Theorems • Sine and Cosine Rules • Vectors • Further graphs of functions • Transformations of functions **Foundation (Sets 7, 8 and 9)** • Scatter graphs and correlation • Trial and Improvement • Averages and Range • Quadratic Graphs • Circles • Pythagoras' Theorem
Summer Term	**Higher (Sets 1, 2 and 3)** • Proportion • Graphs • Gap teaching **Foundation (Sets 4, 5 and 6)** • Constructions, Loci and Bearings • Quadratic Equations and Graphs • Perimeter, Area and Volume • Gap teaching	**Higher (Sets 1, 2, 3, 4, 5 and 6)** • Gap Teaching **Foundation (Sets 7, 8 and 9)** • Gap Teaching

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.