Maths Learning Journey

THE BRUNTS ACADEMY

SIXTH FORM

Further maths
Mechanics
Pure mathematics
Statistics

GCSE revision and exams
Mocks

YEAR 11

Foundation
Higher

Revision and mocks

Vectors
Graph transformations
Functions
Circle Theorems
Inequalities
Compound units
Similar figures
Real world graphs
Graphical Solutions of Equations
Graphs of functions
2D and 3D representations
Further Trigonometry
Probability
Linear graphs
Functions & graphs
Transformations
Vectors
Compound units
Geometry review
Similar figures
Scatter diagrams

YEAR 10

Collecting, representing, and analysing data
Sequences
Inequalities
2D and 3D representations
Transformations (H)
Fractions and decimals
Solving equations
Geometric proof (H)
Indices, standard form, and Surds (H)
Percentage change
Probability (H)
Pythagoras and trigonometry
Primes, factors, and multiples
Transformations
Bounds
Scatter graphs and probability
Pythagoras and Trigonometry
Proportion, and Rates and Measure
Direct and inverse proportion
Geometric calculations and constructions
Constructions and loci (H)
Circles, surface, area, and volume
Accuracy and bounds
Algebraic manipulation
Equations and inequalities

YEAR 9

Ratio and Multiplicative reasoning
Indices and Standard form
Geometry – area, angles, and constructions
Data Handling
2D/3D Shape calculations
Percentage Change, Fractions and Decimals
Sequences and Graphs
Applications of Fractions and percentages
Brackets and equations
Tables and Probability
Algebraic representations and graphs

YEAR 8

Averages, Representations and Probability
Geometric Reasoning
Factors Multiples and Primes
Algebra and Function Machines
Constructing and Measuring
Calculations with fractions and percentages
Calculations and Directed Number
Fractions, Decimals and Percentages
Place value and Standard Form

YEAR 7

KEY CONCEPTS:

NUMBER
ALGEBRA
RATIO, PROPORTION & RATES OF CHANGE
PROBABILITY
STATISTICS
GEOMETRY & MEASURE