

2021-22

YEAR 10 Foundation tier.		
HT1	HT3	HT5
Basic number.	Percentages.	2D representations of 3D shapes.
Factors and multiples.	Statistical measures and representing data.	Volume and surface area.
Indices.	Scatter Graphs.	Ratio and proportion.
Standard index form.	Coordinates and linear graphs.	
Basic algebra and linear equations.		
HT2	HT4	HT6
Angle properties and polygons.	Real-life graphs.	Probability.
Perimeter and area.	Decimals.	Transformations.
Circumference and area of circles.	Rounding and approximation.	Pythagoras' Theorem.
Fractions.	Scale diagrams and bearings.	
Sequences.		

YEAR 10 Higher tier.		
HT1	HT3	HT5
Basic number, factors and multiples.	Ratio and proportion.	Calculating with percentages.
Indices.	Area and perimeter.	2D representations of 3D shapes.
Standard index form.	Circumference and area of circles.	Volume and surface area.
Surds.	Statistical measures and representing data.	Measures.
Angle properties and polygons.		
HT2	HT4	HT6
Scale diagrams and bearings.	Scatter graphs.	Rounding and approximation.
Construction and loci.	Real-life graphs.	Sequences.

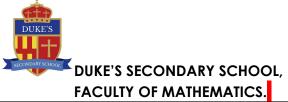
## DUKE'S SECONDARY SCHOOL, FACULTY OF MATHEMATICS.

## LONG TERM CURRICULUM PLAN

Solving linear and quadratic equations.	Coordinates and linear graphs.	Algebraic fractions.
Fractions and decimals.	Gradient and rates of change.	Transformations.

YEAR 11 Foundation tier.		
HT1	HT3	HT5
Direct and inverse Proportion.	Simultaneous equations.	Revision, consolidation and exam preparation.
Rearranging formulae and identities.	Quadratics.	
Inequalities.	Trigonometry.	
Sketching graphs.	Vectors.	
HT2	HT4	HT6
Growth and decay.	Revision, consolidation and exam preparation.	GCSE examinations.
Measures.		
Congruence and similarity.		
Construction and loci.		

YEAR 11 Higher tier.		
HT1	HT3	HT5
Direct and inverse proportion.	Vectors.	Revision, consolidation and exam preparation.
Probability.	Further equations of graphs.	
Pythagoras and trigonometry.	Sketching graphs.	
Congruence and similarity.	Transforming functions.	
HT2	HT4	HT6
Simultaneous equations.	Equation of a circle.	GCSE examinations.
Inequalities.	Numerical methods.	



## LONG TERM CURRICULUM PLAN

Circle theorems.	Growth and decay.	
Sine and cosine rules.	Pre-calculus and area under a curve.	