

Year 10-11 curriculum skeleton - maths

		Year 10		Year 11	
		Foundation	Higher	Foundation	Higher
Autumn 1	Focus	Averages and Range Perimeter, Area and Volume – Polygons and Prisms	Graphs – Linear and Quadratic Transformations and Construction	Perimeter, Area and Volume – Circle, Spheres, Cylinders and Cones	Circle Theorems, Algebra – Algebraic Fractions and Proofs
	Skills	Remembering calculation steps.	Drawing graphs, completing and describing transformations. Using compasses to draw shapes.	Remembering calculation steps.	Remember and apply circle theorems. Simplify and solve algebraic fractions.
	Assessment	End of unit	End of unit	End of unit	End of unit
Autumn 2	Focus	Graphs – Linear Transformations Ratio and Proportion	Equations and Inequalities Probability	Fractions, Indices and Standard Form Congruence, Similarity and Vectors	Vectors and Geometric Proof
	Skills	Drawing graphs, completing and describing transformations. Sharing amounts in ratio.	Form equations and solve equations	Calculate 4 operations with fractions and standard form. Identify congruent and or similar shapes.	Solve geometric problems using vectors.
	Assessment	End of unit and term	End of unit and term	End of unit and term	End of unit and term
Spring 1	Focus	Right Angled Triangles	Multiplicative Reasoning - Compound Interest and Compound Measures	Algebra – Non-linear Graphs, Simultaneous Equations and Proof	Proportion and Graphs – Non-Linear Graphs
	Skills	Apply pythagoras' theorem and trigonometry.	Calculate compound interest and calculate with compound measures e.g. speed and density.	Drawing quadratic and cubic graphs. Solving simultaneous equations.	Identify and draw cubic, reciprocal, exponential and the graph of a circle.
	Assessment	End of unit	End of unit	End of unit	End of unit
Spring 2	Focus	Probability Multiplicative Reasoning – Compound Interest and Compound Measures	Similarity and Congruence Trigonometry of Non-Right-Angled Triangles	GCSE Revision	GCSE Revision
	Skills	Calculate compound interest and calculate with compound measures e.g. speed and density.	Identify similar and/or congruent shapes. Apply sine and cosine rule		

	Assessment	End of unit and term	End of unit and term		
Summer 1	Focus	Construction, Loci and Bearings	Statistics – Cumulative Frequency and Histograms	GCSE Revision	GCSE Revision
	Skills	Use a protractor and compass to draw shapes and identify relative positions.	Draw cumulative frequency graphs and histograms.		
	Assessment	End of unit	End of unit		
Summer 2	Focus	Quadratic Equations and Graphs	Simultaneous Equations and Quadratic Graphs	GCSE Revision	GCSE Revision
	Skills	Solve quadratic equations and draw quadratic graphs.	Solve simultaneous equations. Draw and interpret quadratic graphs.		
	Assessment	End of unit and end of year	End of unit and end of year		