

Yr10 (KS4)	Topic Area	Key recovery knowledge/skills (what <u>has</u> to be learnt)	Resources/support at home
Autumn 1	Trigonometry and 2D shapes	Metric units, geometric properties, area and perimeter, surface area, Pythagoras, trigonometry, bearings, sine and cosine rules	Resources used in lessons and revision materials uploaded on GC
Autumn 2	Transformations and 3D shapes	Surface area, sketches of 3D shapes, planes of symmetry, volume, metric unit conversion, transformations	Resources used in lessons and revision materials uploaded on GC
Spring 1	Algebra 2	Expanding brackets, factorisation including quadratics, solving quadratics, plot quadratic functions, real-life quadratic graphs, roots of quadratic graphs, simultaneous equations, completing the square, inequalities, surds, algebraic fractions, functions, changing the subject	Resources used in lessons and revision materials uploaded on GC
Spring 2	Probability and multiplicative reasoning	Experimental and theoretical probability, successive events, listing outcomes, sample space diagrams, Venn diagrams, conditional probability, probability trees, proportional reasoning, compound measures, direct and inverse proportion	Resources used in lessons and revision materials uploaded on GC
Summer 1	Angles and geometry 2	Circle definitions, circle theorems, constructions, loci, equations of circles, perpendicular lines	Resources used in lessons and revision materials uploaded on GC
Summer 2	Similarity, congruency and vectors	Relationships between quantities, scale factors, congruence, similar shapes, surface area, volume, vectors	Resources used in lessons and revision materials uploaded on GC
Yr11 (KS4)	Topic Area	Key recovery knowledge/skills (what <u>has</u> to be learnt)	Resources/support at home
Autumn 1	Algebra 3	Quadratics, expanding brackets, factorisation, simultaneous equations, solving using the formula, inequalities, surds, algebraic fractions, functions, changing the subject	Resources used in lessons and revision materials uploaded on GC
Autumn 2	Trigonometry	Area of a triangle, sine and cosine rules, 3D problems, Pythagoras, exact trig values, trigonometric	Resources used in

	and functions	graphs, graph transformations	lessons and revision materials uploaded on GC
Spring 1	Graphs and proportion	Reciprocal graphs, exponential graphs, exponential growth and decay, transformations, area under graphs, distance-time and velocity-time graphs, modelling real-life situations, direct and inverse proportion	Resources used in lessons and revision materials uploaded on GC
Spring 2	Revision		
Summer 1	Revision		
Summer 2	EXAMS		