



	Autumn 1				Autumn 2				Spring 1				Spring 2				Summer 1				Summer 2			
Reporting Y10			CfCs			BfL & Grades			CfCs			BfL & Grades					BfL & Report							
Year 10H (red indicates first time topic)	1: Number estimation hcf / lcm (venn) standard form negative, fractional and zero indices including algebraic examples surds incl rationalising the denominator		2: Algebra algebra indices factorise quadratics (and solve basic quadratic equations) solve linear equ's formulae linear nth term quad' nth term geo' sequences fibonacci		3&14: Statistics Recap of Statistical diagrams (Pie charts, double S&L, Scatter graphs (Including Line of best fit), Averages and range (individual, frequency table and grouped data), time series... Spend most time on Cumulative frequency, Box plots, histograms and comparing two sets of data.		4: Fractions, ratios and percentages Fraction operations, Ratio manipulation and problems (big focus on equations/ratio equivalence and harder ratio problems), Ratio and proportion, percentages including compound interest, reverse percentages and calculating percentage change, FDP equivalence including proof of recurring decimals to fractions. Include Growth and decay.		5: Angles & Trigonometry angles triangles angles quadrilat's interior angles exterior angles bearings pythagoras trig' sohcahtoa trig' elev' dep' trig bearings 3D trig with Right angle triangles only. exact trig' values		6: Graphs y = mx+c (inc rearrange) y and x intercept parallel lines perpendicular lines midpoint of line equ' from 2 pts equ' from 'm' +1pt distance time velocity time Also include finding acceleration and distance from a v-t graph quadratic graphs (link to unit 15.3 & 15.4) cubic graphs (link to 15.5) reciprocal graphs exponential graphs equation of circle Also, teach students the TABLE function on their Calculator		7: Area & volume 2d perimeter 2d area bounds error intervals (link to bounds to compound measures) convert metric area convert metric vol' circle circ'/area circle sectors SA/Vol: prism, cylinder, sphere, pyramid, cone, frustum		Pre Public Exams		8: Transformations & Constructions reflections rotations translations (link to vector notation and arithmetic) enlargements transf' combo Bearings, construction & Loci		10: Probability Product rule combined events mutually exclusive experimental tree diagrams conditional prob' venn : set notation venn probability					
Year 10F (red indicates first time topic)	1: Number decimals place value factors/multiples square/cube/root index notation prime factors		2: Algebra algebraic notation simplifying like terms x&÷ substitution use formulae expand brackets factorise		3&7: Graphs, tables and charts, Averages and range frequency tables 2 way tables bar charts: 1. basic 2.composite 3.comparative stem & leaf pie charts scatter graphs line of bf averages range est' mean sampling		4: Fractions, decimals and percentages fraction operations find fraction of fdp conversion find % of simple interest % inc / dec VAT		11: Ratio & Proportion simplest form unit ratios scale up ratio share(total given) share(part given) share(diff' given) ratio to fraction unitary method best value direct prop' graphs		6: Angles triangles quadrilat's interior exterior paral' lines		5: Equations, Inequalities and sequences Sequences Solve 1-step eqns Solve 2-step equations Equations with brackets Inequalities on number line Solve inequalities Use formulae Rearrange Formulae Pictorial sequences Term-to-term nth term		8: Perimeter, area & volume quadrilaterals compound shape surface area prism volume metric volume conversions		9: Graphs co-ords straight line (table of values) real-life graphs distance time graphs		Pre Public Exams		10: Transf'mations 3d solids transf's describing transf's transf' combos		13: Probability calculating prob two way tables experimental venn : set notation venn probability tree diagrams	



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Reporting Y11		CfCs & Grades			Rep & Grades			CfCs & Grades			BfL & Grades									
Year 11H (red indicates first time topic)	9: Equations inequalities quadratic equ'ns: 1factorisation, 2complete square, 3quad' formula sim equ's sim eqn's graphically (15.1) quad' sim' equ's solve inequalities inequalities on a number line inequalities graphically (15.2)	11&19A: Multiplicative reasoning & Proportion Growth and decay, Compound measures, Direct proportion Formulae for proportion problems with constant of proportionality	PRE PUBLIC EXAMS (PPE)	12: Similarity & congruence congruent triangles congruence proof similarity : 1.Linear ScFactor 2. Area ScFactor 3.Volume ScFactor	13A: More Trigonometry trig graphs (excl. transformations) sine rule cosine rule area with sine	16: Circle theorems radii/isos' c theorems applied proofs	17: More Algebra rearranging formulae +/- alg' frac's x/÷ alg' frac's unknown denominators simplify alg' frac's factorise alg' frac's solve alg' frac's Iterations composite and inverse functions identities	PRE PUBLIC EXAMS (PPE)	18: Vectors & geometric proof vector notation magnitude resultant vectors scalars parallel vectors collinear points ratio vectors geometric vectors	19B&13B: More graphs Exponential graphs Transforming graphs (including trig)	Revision	GCSE EXAMS								
	Year 11F (red indicates first time topic)	12: Right-angled triangles Pythag long side Pythag short side Basic Trig angles sides		14: Multiplicative reasoning % profit / loss reverse percentage growth/decay compound interest speed density direct proportion inverse proportion	PRE PUBLIC EXAMS (PPE)	15: Constructions loci and bearings 3d solids plans/elevations constructing triangles scale drawings & maps construct angles construct shapes construct nets angle bisector perpendicular bisector loci bearings	16&20: Quadratic equations and graphs further graphs sim equations		17: Perimeter area volume 2 circle circumference circle area sectors cylinders pyramids cones spheres	18: Fractions, Indices and Standard form plus review of indices and fractions	PRE PUBLIC EXAMS (PPE)	19: Congruence similarity vectors enlargement similarity problems congruence problems add / subtract vectors resultant vectors scalars	REVISION	GCSE EXAMS						