



	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2			
Reporting Y7	CfCs		BfL & LAL		BfL & LAL		BfL & LAL		BfL & LAL		BfL & LAL			
Year 7	1: Analysing and displaying data: Averages, displaying data, Grouping data, comparing data, line graphs and bar charts	2: Number skills: Mental Maths, addition and subtraction, Multiplication, division, Money, time, Negative numbers, Factors, multiples and primes, Square numbers.	Autumn Assessment	3: Expressions, functions and formulae: Functions, Simplifying expressions, Writing expressions, substitution into formulae, writing formulae.	4: Decimals and measures: Decimals and rounding, length, mass and capacity, scales and measures, working with decimals, Perimeter, Area, more units of measure.	5: Fractions and percentages: Comparing fractions, Simplifying fractions, working with fractions, Fractions and decimals, understanding percentages, percentages of amounts.	6: Probability: language of probability, Calculating probability, More probability calculations, Experimental probability, Expected outcomes.	Spring Assessment	7: Ratio and Proportion: Direct proportion, Writing ratios, Using ratios, Ratios, proportion and fractions, Proportions and percentages.	8: Lines and angles: Measuring and drawing angles, Lines, angles and triangles, Drawing triangles accurately, Calculating angles, Angles in a triangle, Quadrilaterals.	9: Sequences and graphs: Sequences, Pattern sequences, Coordinates and midpoints, Extending sequences, Straight-line graphs, Position-to-term rules.	KS3 EOY Exams	10: Transformations: Congruency and enlargements, Symmetry, Reflection, Rotation, Transformations and combined transformations.	Curriculum Enrichment Week
Reporting Y8	NB: Pilot for Year 8 2021/22 - Unit tests instead of termly tests		CfCs		BfL & LAL		BfL & LAL		BfL & LAL		BfL & LAL			
Year 8	1. Number: Calculations, Divisibility and division, Calculating with negative numbers, powers, roots and brackets, Multiples and factors.	2: Area and Volume: Areas of triangles, parallelograms and trapezia, Volumes of cubes and cuboids, 2D representation of 3D solids, Surface area of cubes and cuboids, Measures.	3: Statistics, graphs and charts: Pie charts, using tables, Stem & leaf diagrams, Comparing data, Scatter graphs, Misleading graphs.	4: Expressions and equations: Algebraic powers, Expressions and brackets, Factorising expressions, One step equations, Two-step equations, The balancing method.	5: Real-life graphs: Conversion, Distance-time graphs, Line graphs, More line graphs, Real-life graphs, Curved graphs.	6: Decimals and ratio: Ordering decimals and rounding, Place-value calculations, Calculations with decimals, Ratio and proportion with decimals.	7: Lines and angles: Quadrilaterals, Alternate angles and proof, Angles in parallel lines, Exterior and interior angles, Solving geometric problems.	8: Calculating with fractions: Ordering fractions, Adding and subtracting fractions, Multiplying fractions, Dividing fractions, Calculating with mixed numbers.	9: Straight-line graphs: Direct proportion on graphs, gradients, Equations of straight lines.9: Straight-line graphs: Direct proportion on graphs, gradients, Equations of straight lines.	KS3 EOY Exams	10: Percentages, decimals and fractions: Fractions and decimals, Equivalent proportions, Writing percentages, Percentage of amounts.	Curriculum Enrichment Week		
Reporting Y9	CfCs		BfL & LAL		BfL & LAL		BfL & LAL		BfL & LAL		BfL & LAL			
Year 9	1:Indices and standard form: Indices, Calculations and estimates, More Indices, standard form.	2: Expressions and formulae: Solving Equations, Substituting into expressions, Writing and using formulae, Using and rearranging formulae, Index laws and brackets, Expanding double brackets.	Autumn Assessment	3: Dealing with data: Planning a survey, Collecting data, Calculating averages, Displaying and analysing data, Presenting and comparing data.	4: Multiplicative reasoning: Enlargement, Negative and fractional scale factors, Percentage change, Compound measures, Direct and Inverse proportion.	5: Constructions: Using scales, Basic constructions, Constructing triangles, Using accurate scale diagrams.	6: Sequences, Inequalities, equations and proportion: nth term of arithmetic sequences, Non-linear sequences, Inequalities, Solving equations, Proportion.	Spring Assessment	7: Circles, Pythagoras and Prisms: Circumference of a circle, Area of a circle, Pythagoras' Theorem, Prisms and Cylinders, Errors and bounds.	8: Graphs: Using $y=mx+c$, More straight-line graphs, Simultaneous equations, Graphs of quadratic functions, More non-linear graphs	9: Probability: Mutually exclusive events, Experimental and theoretical probability, Sample space diagrams, Two-way tables, Venn diagrams.	KS3 EOY Exams	10: Comparing shapes: Congruent and similar shapes, Ratios in triangles, The tangent ratio, The sine ratio, The cosine ratio, Using trigonometry to find angles.	Curriculum Enrichment Week



Reporting Y10		Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2	
		CfCs		BfL & Grades		CfCs		BfL & Grades				BfL & Report	
Year 10H (red indicates first time topic)	Number estimation product rule hcf / lcm (venn) standard form negative, fractional and zero indices including algebraic examples surds incl rationalising the denominator	Algebra algebr' indices factorise quadratics (and solve basic quadratic equations) solve linear equ's formulae linear nth term quad' nth term geo' sequences fibonacci	Data 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.	Fractions, ratios and percentages Fraction operations, Ratio manipulation and problems (big focus on euqations/ratio equivalence and harder ratio problems), Ratio and proportion, perenatges including compound interest, reverse perenatges and calculating perenatge change, FDP equivalence including proof of recurring decimals to fractions. Include Growth and decay.	Angles angles triangles angles quadrilat's interior angles exterior angles bearings pythagoras sohcahtoa elev' dep' trig bearings 3D trig with Right angle triangles only. exact trig' values	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) cubic graphs reciprocal exponential graphs equation of circle Also, teach students the TABLE function on their Calculator	Perimeter, area & volume 2d perimeter 2d area bounds error intervals (link bounds to compound measures) convert metric area convert metric vol' circle circ'/area circle sectors SA/Vol: prism, cylinder, sphere, pyramid, cone, frustum	Transformations reflections rotations translations (link to vector notation and arithmetic) enlargements transf' combo	Equations inequalities quadratic equ'ns: 1factorisation, 2complete square, 3quad' formula simultaneous equ's quad' sim' equ's solve inequalities inequalities on a number line	Probability combined events mutually exclusive experimental tree diagrams conditional prob' venn : set notation venn probability	Proportion Direct proportion Formulae for proportion problems with constant of proportionality	Constructions Bearings, construction & Loci	EXAMS
	Year 10F (red indicates first time topic)	Number decimals place value factors/multiples square/cube/root index notation prime factors	Algebra algebraic notation simplifying like terms simplifying x&÷ substitution use formulae expand brackets factorise	Data frequency tables 2 way tables bar charts: 1. basic 2.composite 3.comparative stem & leaf pie charts scatter graphs line of bf	Fractions, decimals and percentages fraction operations find fraction of fdp conversion find % of simple interest % inc / dec VAT	Ratio 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	Angles triangles quadrilat's interior exterior lines paral'	Graphs co-ords straight line (table of values) real-life graphs distance time graphs	Perimeter area & volume quadrilaterals compound shape surface area prism volume metric volume conversions	Transf'mations 3d solids 4 transf's describing transf's transf' combos	Equations inequalities sequences solve 1 step equa' solve 2 step equa' solve equation with brackets inequalities on num' line solve inequalities use formulae re-arrange formulae pictorial sequences term to term nth term	Probability calculating prob two way tables experimental venn : set notation venn probability tree diagrams	Statistics averages range est' mean sampling

Work Experience Week

Reporting Y11		CfCs & Grades		Rep & Grades		CfCs & Grades		BfL & Grades										
Year 11H (red indicates first time topic)	Inequalities Representing and solving inequalities Inequality regions	Similarity & congruence congruent triangles congruence proof similarity : 1.Linear ScFactor 2. Area ScFactor 3.Volume ScFactor	PRE PUBLIC EXAMS (PPE)	Trigonometry 2 trig graphs (incl. transformations) sine rule cosine rule area with sine	Circle theorems radii/isos' c theorems applied proofs	Algebraic fractions 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	Vectors vector notation magnitude resultant vectors scalars parallel vectors collinear points ratio vectors geometric vectors	More graphs Exponential graphs Transforming graphs (including trig)	PRE PUBLIC EXAMS (PPE)	REVISION	REVISION	GCSE EXAMS						
Year 11F (red indicates first time topic)	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	Congruence similarity vectors enlargement similarity problems congruence problems add / subtract vectors resultant vectors scalars	PRE PUBLIC EXAMS (PPE)	Pythag' & Trig' Pythag long side Pythag short side Basic Trig Trig angles Trig sides	Standard form plus review of indices and fractions	Perimeter area volume 2 circle circumference circle area sectors cylinders pyramids cones spheres	Multiplicative reasoning % profit / loss reverse percentage growth/decay compound interest speed density direct proportion inverse proportion	PRE PUBLIC EXAMS (PPE)	higher sets: quadratic equations and graphs further graphs sim equations	REVISION	GCSE EXAMS							