



	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2			
<b>Reporting Y7</b>		CfCs		BfL & LAL				BfL & LAL				BfL & LAL		
<b>Year 7</b>	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.	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.	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	KS3 EOY Exams Revision	KS3 EOY Exams	Complete Unit 9	10: Transformations: Congruency and enlargements, Symmetry, Reflection, Rotation, Transformations and combined transformations.	Curriculum Enrichment Week
<b>Reporting Y8</b>	NB: Pilot for Year 8 2021/22 - Unit tests instead of Termly tests		CfCs	BfL & LAL				BfL & LAL				BfL & LAL		
<b>Year 8</b>	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,	KS3 EOY Exams Revision	KS3 EOY Exams	Complete Unit 9	10: Percentages, decimals and fractions: Fractions and decimals, Equivalent proportions, Writing percentages, Percentage of amounts.	Curriculum Enrichment Week
<b>Reporting Y9</b>		CfCs		BfL & LAL				BfL & LAL				BfL & LAL		
<b>Year 9</b>	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.	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.	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 Revision & 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	
Reporting Y10		CfCs		BfL & Grades		CfCs		BfL & Grades		BfL & Report			
<b>Year 10H</b> (red indicates first time topic)	<b>1: Number</b> estimation product rule hcf / lcm (venn) <b>standard form</b> negative, fractional and zero indices including algebraic examples surds incl rationalising the denominator	<b>Autumn Assessment</b>	<b>2: Algebra</b> <b>algebr' indices</b> factorise quadratics (and solve basic quadratic equations) solve linear eqn's formulae linear nth term quad' nth term <b>geo' sequences</b> fibonacci	<b>3&amp;14: Statistics</b> 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 <b>Cumulative frequency</b> , <b>Box plots, histograms</b> and comparing two sets of data.	<b>4: Fractions, ratios and percentages</b> Fraction operations, Ratio manipulation and problems ( <b>big focus on equations/ratio equivalence and harder ratio problems</b> ), 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.	<b>5: Angles &amp; Trigonometry</b> angles triangles angles quadrilat's interior angles exterior angles <b>bearings</b> pythagoras trig' sohcahtoa trig' elev' dep' trig <b>bearings</b> 3D trig with Right angle triangles only. <b>exact trig' values</b>	<b>Spring Assessment</b>	<b>6: Graphs</b> $y = mx + c$ (inc <b>rearrange</b> ) $y$ and $x$ <b>intercept</b> parallel lines <b>perpendicular lines</b> midpoint of line <b>equ' from 2 pts</b> <b>equ' from 'm' +1pt</b> distance time <b>velocity time</b> Also include finding acceleration and distance from a v-t graph quadratic graphs (link to unit) cubic graphs <b>reciprocal graphs</b> <b>exponential graphs</b> <b>equation of circle</b>	<b>7: Area &amp; volume</b> 2d perimeter 2d area bounds <b>error intervals</b> (link to <b>bounds to compound measures</b> ) <b>convert metric area</b> <b>convert metric vol'</b> circle circ'/area circle sectors <b>SA/Vol: prism, cylinder, sphere, pyramid, cone, frustum</b>	<b>Pre Public Exams</b>	<b>8: Transformations &amp; Constructions</b> reflections rotations translations (link to <b>vector notation and arithmetic</b> ) enlargements transf' combo Bearings, construction & Loci	<b>10: Probability</b> combined events mutually exclusive experimental <b>tree diagrams</b> <b>conditional prob'</b> <b>venn : set notation</b> <b>venn probability</b>	<b>Work Experience Week</b>
	<b>Year 10F</b> (red indicates first time topic)		<b>2: Algebra</b> algebraic notation simplifying like terms simplifying x&÷ substitutio n use formulae expand brackets factorise	<b>2: Algebra</b> <b>ra</b> continued	<b>3&amp;7: Graphs, tables and charts, Averages and range</b> frequency tables 2 way tables bar charts: 1. basic 2.composite 3.comparative <b>stem &amp; leaf</b> pie charts scatter graphs line of bf averages range est' mean sampling	<b>4: Fractions, decimals and percentages</b> fraction operations find fraction of fdp conversion find % of <b>simple interest</b> % inc / dec <b>VAT</b>		<b>11: Ratio &amp; Proportion</b> simplest form <b>unit ratios</b> scale up ratio share(total given) <b>share(part given)</b> <b>share(diff' given)</b> <b>ratio to fraction</b> unitary method best value <b>direct prop' graphs</b>	<b>6: Angles</b> triangles quadrilat's interior exterior paral' lines		<b>7: Equations, Inequalities and sequences</b> Sequences Solve 1-step eqns Solve 2-step equations Equations with brackets Inequalities on number line <b>Solve inequalities</b> Use formulae Rearrange Formulae Pictorial sequences Term-to-term nth term	<b>8: Perimeter, area &amp; volume</b> quadrilaterals compound shape surface area prism volume <b>metric volume conversions</b>	



Reporting Y11		Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2		
Reporting Y11		CfCs & Grades		Rep & Grades		CfCs & Grades		BfL & Grades						
Year 11H (red indicates first time topic)	9: Equations inequalities quadratic equ'ns: 1.factorisation, 2.complete square, 3.quad' formula simultaneous equ's quad' sim' equ's solve inequalities inequalities on a number line	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	13: 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 Trig angles Trig 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: 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