



		Autumn 1			Autumn 2			Spring 1			Spring 2			Summer 1			Summer 2			
Reporting Y7		cfc's			BfL & LAL			BfL & LAL			BfL & LAL			BfL & LAL						
Year 7: Core	Baseline Assessment	1. Sequences: Describe and continue sequences, linear and non-linear, continue linear and non-linear sequences, term-to-term rules, missing terms.	2. Algebraic notation & substitution: Function machines, finding one and two step functions, substitution, 2 step function machines.	3. Expressions and equations: Equality & Equivalence, Related facts, Like & unlike terms, Solve 1&2 step equations.	4. Place value, ordering & rounding: Write integers, number lines, Compare and order integers, Decimal place value, Ordering and rounding.	5. Four operations: +/- integers & decimals, X/÷ by 10,100,1000, .1,0.01, Multiply and divide integers and decimals	6. Averages and Range: Mode, mean, Median, Range, Solve problems with averages and range.	7. Rounding & estimation: Round to 2 or more significant figures, Estimate calculations, Solve problems with estimation, Error intervals.	8. Graphing Data: Pictograms, Bar charts, Dual and Composite Bar charts, Coordinates, Scatter graphs, Correlation, Lines of Bestfit	9. Fractions, decimals & percentages: Represent 10ths & hundredths, Number lines with fractions & decimals, Tenths, hundreds, fifths & quarters, Eighths and thousandths, Understand Percentages, Convert simple fractions, decimals	10. Directed number: Directed number and number lines, Compare and order, Calculations that cross zero, Directed numbers and zero pairs, + - × ÷, BIDMAS	11. Fractions & Percentages: Fraction & % of an amount, Use a fraction/% to find a whole, Percentage inc/dec, F/% >1	12. Perimeter & Area: Units, Perimeter of Polygons & compound shapes, Areas of Triangles and special quads, Form expressions.	13. Speed, distance & Time: Convert between units of time, Tables, timetables, calendar, SDT, DT graphs	14. Properties of number: Multiples; Factors, Primes; Square, cube & triangular numbers; Square & cube roots, HCF&LCM	KS3 EOY Revision & Exams	15. Add & Subtract fractions: Simplifying; Mixed & Improper; + - fractions; + - decimals & fractions; Fractions & algebra.	16. Angles & Polygons: Draw & measure; notation; Angles around a point & straight line; Vertically opposite, Polygons; Angles in triangles & Quads; Parallel	Curriculum Enrichment Week	
	Year 7: Support	Baseline Assessment	1. Sequences: Diagrams; Continue sequences, linear and non-linear, term-to-term rules, written rules.	2. Algebraic notation & substitution: 1 step Function machines (number & algebra); finding one step functions, substitution, 2 step function machines	3. Expressions and equations: Like & unlike terms; collect like terms; Solve 1 step equations.	4. Place value, ordering & rounding: Write integers, number lines, Compare and order integers, Decimal place value, Ordering and rounding.	5. Four operations: Number bonds; +/- integers; Double and half; × ÷ integers; Order of operations.	6. Averages and Range: Mode, mean, Median, Range.	7. Rounding: Round to nearest 10,100 & 1000.	8. Graphing Data: Pictograms, Bar charts, Dual and Composite Bar charts, Coordinates, Scatter graphs, Correlation, Lines of Bestfit	9. Fractions, decimals & percentages: Explore equal parts; Fractions on a number line; Understand percentages; Explore tenths, halves, quarters, hundredths, fifths	10. Directed number: Negative numbers & number lines; Compare & order directed numbers; Calculations that cross zero; Negative numbers & zero pairs	11. Fractions & Percentages of amounts: Unit fraction of an amount; Use a unit fraction to find a whole; % of an amount (10,25,50%); Calculator.	12. Perimeter & Area: Using a grid; Perimeter of Polygons; Areas of Triangles and special quads; units.	13. Speed, distance & Time: Convert between units of time, Sped, distance & time non calculator and calculator approach.		14. Four operations with decimal numbers: + - decimals; Solve problems with decimal + - ; × ÷ integers and decimals by 10,100,1000.	15. Properties of number: Multiples; Factors, Primes; Square, cube & triangular numbers; counter examples.		KS3 EOY Revision & Exams
Reporting Y8		cfc's			BfL & LAL			BfL & LAL			BfL & LAL			BfL & LAL						
Year 8: Core	Baseline Assessment	1. Ratio: Understand ratio; Ratio problems (whole, part, difference); simplify; Unit ratios; Ratios & fractions; Problem solving.	2. Proportion & Scale: Direct Proportion; Conversion Graphs; Currency; Direct Prop graphs; Similar shapes; Metric units; Scale	3. Algebraic manipulation : Formulae, identities & equations; Simplify expressions; Directed number with algebra; Substitution; brackets.	4. Coordinates & Graphs: 4 quadrants; Lines parallel to the axes; Tables of values; y=x ; y=mx ; Direct proportion; y=mx+c; midpoints; Quadratics.	5. Multiply & Divide fractions: fraction x integer; fraction x fraction; reciprocals; Dividing integers & fractions; Divide fractions;	6. Symmetry & Reflection: Line & rotational symmetry; Reflection in horizontal, vertical and diagonal lines; Describe reflections	7. Area, Volume & Density: Name 2D&3D shapes; Area of compound shapes; Prisms; Volumes of cubes & cuboids; Unit conversion;	8. Equations & Inequalities: Solve 1&2 step equations; More complex & fractional equations; Form & solve equations; Unknowns	9. Percentages: % of an amount; Percent & decimal conversions; multipliers; % inc/dec using a multiplier; One number as a F/% of another; Reverse %.	10. Indices: Add & subtract expressions with Indices; Multiply & divide expressions with indices; Addition & subtraction laws; Powers of powers;	11. Standard form: Positive & Negative powers of 10; Numbers > 1 in st form; Numbers <1 in st. form; Calculators.	12. Interpret & Represent data: Data types; Averages & range; outliers & errors; Appropriate averages; Compare distributions; Averages	13. Angles in parallel lines & Polygons: Rules & notation; Angles in parallel lines; Special quadrilaterals and their diagonals; Find unknown lengths and angles in special quads; Interior & Exterior angles of polygons.	14. Tables & Probability: Probability vocab 7 scale; Probability of 1 or more events; Probability experiments; Sample-space diagrams; Two-way tables; Frequency trees	KS3 EOY Revision & Exams	15. Circles: Vocab; Pi; Circumference & perimeter; Area; Compound shapes.	16. Graphs & Charts: Pictograms & bar charts; Vertical line charts; Pie charts; Line graphs; Interpreting & comparing; Misleading graphs	17. Sequences: Generating sequences; nth term of a linear sequence;	Curriculum Enrichment Week

Year 8: Support	1. Ratio: Understand ratio; Ratios & fractions; Simplify ratios; Problem solving (part and whole given).	2. Proportion & Scale: Unitary method; Multiplier method; Recipes; Conversion graphs; Currency conversion; Scale diagrams.	3. Directed number: + - directed numbers; $\times \div$ directed numbers.	4. Algebraic manipulation: Collect like terms; Expand a single bracket; Factorise into a single bracket.	5. Coordinates & Graphs: 4 quadrants; Lines parallel to the axes; Tables of values; $y=mx+c$; Plot straight line graphs.	6. Multiply fractions: Representation of fractions; Mixed 7 improper conversion; Simplify; Multiply integers & fractions.	7. Area, Volume & Density: Name 2D&3D shapes; Area of triangles, quadrilaterals & compound shapes; Volumes of cubes & cuboids.	8. Equations: Bar models; Solve 1&2 step equations; equations with fractions and brackets; Solve problems.	9. Fractions & Percentages: %&fraction of an amount; Fraction, Percent & decimal conversions; % inc/dec.	10. Decimal arithmetic & rounding: Multiply & divide integers	11. Expressions & Indices: Underscores; Simplify	12. Standard form: Integers to 10000; Positive powers of 10;	13. Interpret & represent data: Interpret & collect data; Averages & range; Ungrouped frequency tables; Mean from an ungrouped frequency	14. Angles in polygons: Measure & draw angles; Angles on a straight line & around a point; Vertically opposite; Angles in triangles; Angles in	15. Tables and probability: Probability vocabulary & scale; Listing outcomes; Probability of single event; Probability experiments; Two way tables & sample spaces; frequency trees.	16. Circles: Circle vocabulary; Circumference (calculator & non-calculator); Area (calculator & non-calculator).	KS3 EOY Revision & Exams	17. Graphs & charts: Draw pie charts; Angles in sectors of pie charts; Interpret pie charts.	17. Sequences: Describe & continue a sequence; Generate a sequence given a rule in words; Generate a sequence given a simple	18. Symmetry & Reflection: Reflect in a horizontal line; Reflect in a	Curriculum Enrichment Week	
Reporting Y9	CFCs		BFL & LAL				BFL & LAL										BFL & LAL					
Year 9: Core	1. Properties of number: Factors, multiples, primes; Product of primes; HCF,LCM; Venn diagrams; Integers, real numbers & rational numbers; intro to	2. Percentages: % increase & decrease; express a change as a %; Find original value; Problem solving; Repeated % change; Interest.	3. Area & Volume: Name 2D shapes; Area and Circumference of a circle; Surface area cubes, cuboids, triangular prisms & cylinders; Volume; Convert	4. Equations, Inequalities & Formulae: Solve equations & Inequalities with negative numbers; Unknowns on both sides; Problem solving;	5. Fractions: + - $\times \div$ with and by fractions and integers; Fraction of an	6. Rates: Speed, distance & time; DT Graphs; Flow problems 7 Rates of change & their units; Convert compound units.	7. Standard form: Compare & order numbers in st. form; + - in st. form;	8. Maths & Money: Bank accounts; VAT; Ways to pay; Ways to save; jobs & pay; Investing; Borrowing; Running a house or a business; budgeting; Spending overseas; Insurance.	9. Straight line graphs: Line sparrallel to the axes; Explore gradients & intercepts; $y=mx+c$; rearrange equations to $y=mx+c$; Find equation of a line; gradient & intercepts of real-life	10. Ratio & Proportion: Direct proportion; Conversion graphs; Inverse proportion; Ratio & algebra.	11. Construction & Congruence: Draw & measure angles; Accurately draw triangles; Construct angle & perpendicular bisector; Accurately	12. Similarity: Enlargements & similarity; Work out unknown lengths & angles in similar shapes; Solve problems with similar triangles;	13. Algebraic manipulation: Expand single brackets & simplify; Factorise into a single bracket; Expand double brackets; Use identities; Factorise quadratic expressions; Solve quadratic equations.	14. Pythagoras' theorem: Solve equations with squares & square roots; the hypotenuse, Using Pythagoras' theorem; Pythagoras' theorem on coordinate	15. Non-linear graphs: Substitute into quadratic expressions; Draw quadratic graphs; Interpret quadratic graphs; Reciprocal & exponential	16. Sets & probability: Identify & represent sets; Intersection; Union; Using diagrams to work out probabilities; Relative frequency; expected outcomes; independent	KS3 EOY Revision & Exams	17. Transformations: Enlargements (positive, negative and fractional SF); Rotation; Translation; Reflection; Combined transformations.	18&19: Simultaneous equations & Trigonometry (Optional): Introduction; Solve simultaneous equations algebraically and graphically; Elimination & substitution methods; Right-angles triangle trigonometry in 2D	Curriculum Enrichment Week		
Year 9: Support	1. Properties of number: Factors, multiples, primes; Product of primes; HCF,LCM; Venn diagrams.	2. Percentages: Convert F,D,%; % of an amount; % increase & decrease; Find the original value; express one number as a % of another:	3. Area & Volume: Name 3D shapes; Faces, edges & vertices; Nets; Areas; Surface areas of cubes & cuboids; Volume of Prism & cylinder.	4. Equations, Inequalities & Formulae: Solve equations; brackets; Inequalities; Solve one and two-step inequalities.	5. Fractions: + - $\times \div$ with and by fractions and integers.	6. Rates: Speed, distance & time; Interpret & draw distance-time Graphs.	7. Standard form: Compare & order numbers > 1 in st. form; Negative powers	8. Four operations: BIDMAS with intergers & decimals.	9. Maths & Money: Bank accounts; VAT; Ways to pay; Ways to save; jobs & pay; best buy; budgeting; Spending overseas.	10. Straight line graphs: Coordinates in 4 quadrants; Lines parallel to the axes; $y=mx+c$; $ax+by=c$	11. Ratio & proportion: Direct proportion; Conversion graphs; Ratio problems; Solve problems with ratio; Inverse proportion.	12. Construction & congruence: Measure & draw angles; Accurate drawings of triangles; Congruence; Congruent triangles.	13. Geometry & measures; Recognise similar shapes; work out unknown lengths and angles in similar shapes.	14. Algebraic manipulation: Expand single brackets and simplify; Expand single brackets; Exapnd double brackets.	15. Pythagoras' theorem: Squares & square roots; Solve equations with squares & square roots; the hypotenuse, Using Pythagoras' theorem.	16. Non-linear graphs: Substitute into quadratic equations; Draw quadratic graphs.	17. Probability: Single events; using diagrams; Venn diagrams; events not happening; Probability experiments; Expected outcomes.	KS3 EOY Revision & Exams	18. Transformations: Enlargement; Line & rotational symmetry; Rotation aabout a point; Translations.	19. Angles in polygons: One step-angle problems; triangles; quadrilateral s; Multi-step angle problems; Polygons; Exterior & interior angles; Solving	20: Angle s in parallel lines; Alternate angle s; corresponding angle s; co-	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)	1: Number estimation hcf / lcm (venn) standard form negative, fractional and zero indices including algebraic examples surds incl rationalising the denominator	2: Algebra algebr' 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 euqations/ratio equivalence and harder ratio problems), Ratio and proportion, percnatges including compound interest, reverse percnatges and calculating percnatge 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 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	Work Experience Week		
	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) 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 4 transf's describing transf's transf' combos



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: 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 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&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				