Lower Line (Y7-9)

	Year 7 (Mastery)	Year 8	Year 9
Half Term 1	**Algebraic Thinking** -Sequences -Understand & Use of Algebraic Notation	A3: Powers, Multiples, Factors and Primes A5: Generating and Describing Sequences A7: Angles, Lines and Shapes A9: Chance and Probability	A3: Powers, Rounding & estimation, multiplying & dividing A5: Using letters, Expressions A7: Polygons, Circles, 2-D shapes A9: Collect, Work & Represent data
Half Term 2	**Algebraic Thinking** -Equality & Equivalence **Place Value and Proportion** -Place Value & Ordering Integers & Decimals	A11: Fractions and Decimals A13: Percentages A15: Simplifying Expressions	A11: Factors, multiples, primes & Powers. A13: Add, subtract, divide and multiply fractions A15: Linear equations, Inequalities
Half Term 3	**Place Value and Proportion** -Fraction, Decimal & Percentage Equivalence **Application of Number** -Solving problems with addition & subtraction	A17: Equations and Formulae A19: Area and Volume A21: Functions and Graphs	A17: Transformations, Enlargement A19: Direct proportion, Formulae and expressions A21: Using fractions & percentages
Half Term 4	**Application of Number** - Solving problems with multiplication & division - Fractions & Percentages of Amounts	A23: Place Value and Rounding A25: Mental Methods A27: Written methods & Using a Calculator	A23: Using ratios A25: Pythagoras' theorem A27: Interpreting & communicating
Half Term 5	**Directed numbers** -Operations & Equations with Directed Numbers	A29: Transformations A31: Surveys and Analysing Data A33: Representing and Interpreting Data	A29: Written methods, Calculator methods A31: Sequences, Linear functions A33: Real-life graphs
Half Term 6	REVISION and END OF YEAR EXAM **Fractional Thinking** - Addition & Subtraction of Fractions	REVISION and END OF YEAR EXAM A35: Order of Operations A37: Ratio End of year Enrichment	REVISION and END OF YEAR EXAM A37: Constructions and Loci End of year Enrichment

Higher Line (Y10-11)

	Year 10	Year 11
Half Term 1	NUMBER: rounding, indices, standard form, surds, estimation (N1a N3, N4, N6, N7, N8, N9, N14) SHAPE: Pythagoras, Trigonometry (G20 G21) ALGEBRA: simplifying, expansion, changing subject (A1, A2, A3, A4abcef A5)	ALGEBRA: algebraic fractions, expanding cubics (A4d A18a) SHAPE: 3D shapes, volume (G1a G12 G16b G17b) ALGEBRA: Sequences (A23 A24 A25)
Half Term 2	NUMBER: Fractions, percentages, decimals (N1b, N2, N10, N12, R3, R9) ALGEBRA: Solving linear equations (A17) NUMBER: Ratios, scale, conversions (N11 R2 R4 R5 R6 R8 R11a G15b)	ALGEBRA: Graphs – quadratic, cubic, reciprocal, wuad solutions from graph (A14a A15b A16 A18c R15) ALGEBRA: Direct & Inverse proportion (R10 R13 R14b)
Half Term 3	SHAPE: Angles, polygons, bearings (G1b G3 G4 G15c) SHAPE: Circle Theorems (G9, G10) STATISTICS: Graphs (S2,S6)	ALGEBRA: Solving quadratic equations A18b A19b PROBABILITY (N5 P1 P2 P3 P4 P5 P6 P7 P8 P9) ALGEBRA: Sketching Graphs (A11 A12a A18b A22b)
Half Term 4	STATISTICS: Box plots, histograms (S1,S3,S4) ALGEBRA: Graphs, gradients, intercepts, length of lines (A8 A9 A10 A14b A15a R11b R14a)	ALGEBRA: Functions (A7 A12b A13) SHAPE: Trigonometry (A12b G22 G23) SHAPE: Shape comparison, enlargement (R12 G5 G6)
Half Term 5	SHAPE: Perimeter, area, circles (G9 G16a G17a G18) NUMBER: Accuracy, estimation, significant figures (N15 N16) SHAPE: 3D shapes, construction of angles, bisecting (G2a G13)	VECTORS G25 ALGEBRA: Solving equations by iteration and approximation (A6 A20 R16) ALGEBRA: Inequalities (N1c A22)
Half Term 6	REVISION and END OF YEAR EXAM SHAPE: Loci (G1c G2b G17a)	

Sixth Form (Y12-13)

	Year 12	Year 13
Half Term 1	P1 Ch1: Algebraic Expressions P1: Ch2 Quadratics P1 Ch3 Equations and Inequalities P1 Ch7 Algebraic Methods	P2 Ch1 Algebraic Methods P2 Ch2 Functions and Graphs P2 Ch3 Sequences and Series S2 Ch1 Regression, Correlation and Hypothesis Testing
Half Term 2	P1 Ch8: Binomial Expansion P1 Ch4 Graphs and Transformation P1 Ch5: Straight Line Graphs S1 Ch1: Data Collection S1 Ch2: Measures of Location and Spread	P2 Ch4 Binomial Expansion P2 Ch5 Radians S2 Ch2 Conditional Probability S2 Ch3 Normal Distribution
Half Term 3	P1 Ch6: Circles P1 Ch11: Vectors P1 Ch9: Trigonometric Ratios S1 Ch3: Representation of Data	P2 Ch6 Trigonometric Functions P2 Ch7 Trigonometry and Modelling M2 Ch4 Moments M2 Ch5 Friction
Half Term 4	S1 Ch4: Correlation P1: Ch10 Trig Identities and Equations P1 Ch12: Differentiation S1 Ch5: Probability	P2 Ch8 Parametric Equations P2 Ch9 Differentiation M2 Ch6 Projectile Motion M2 Ch7 Applications of forces
Half Term 5	S1 Ch6: Statistical Distributions P1 Ch12: Integration S1 Ch7 Hypothesis Testing M1 Ch1/2 Introduction/Constant Acceleration	P2 Ch10 Numerical Methods P2 Ch11 Integration M2 Ch8 Further Kinematics
Half Term 6	P1 Ch14: Exponentials and Logs M1 Ch3: Forces and Motion M1 Ch4 Variable Acceleration	