

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Number <ul style="list-style-type: none"> HCF/LCM, prime factors Powers and roots, index laws FDP equivalence and ordering Rounding Calculating with decimals Negative numbers in context 	Probability <ul style="list-style-type: none"> Theoretical and experimental probability Outcomes/sample space Shape, Space and Measure <ul style="list-style-type: none"> Geometric Notation Properties of 2D/3D shapes Constructing triangles 	Number <ul style="list-style-type: none"> Ratio: comparing and sharing into a ratio Proportional reasoning: ratio/proportion comparisons, scale factors Algebra <ul style="list-style-type: none"> Simplifying expressions Expanding brackets Substitution Shape, Space and Measure <ul style="list-style-type: none"> Angles in triangles and quadrilaterals 	Number <ul style="list-style-type: none"> Calculating with fractions and mixed numbers Percentages (increase/decrease, multipliers) Algebra <ul style="list-style-type: none"> Solving equations Shape, Space and Measure <ul style="list-style-type: none"> Units of Measure 	Shape, Space and Measure <ul style="list-style-type: none"> Area of compound shapes (and trapezia – H) Volume and surface area of cuboids Statistics <ul style="list-style-type: none"> Charts and graphs Pie charts Averages Algebra <ul style="list-style-type: none"> Sequences 	Algebra <ul style="list-style-type: none"> Equations of straight lines: plotting and identifying Shape, Space and Measure <ul style="list-style-type: none"> Transformations: reflection, rotation and translation
8	Number <ul style="list-style-type: none"> Prime factors Index laws Standard Form: converting to and from FDP – recurring decimals Rounding and estimation Calculating with negative numbers Order of operations 	Algebra <ul style="list-style-type: none"> Simplifying expressions Expanding single brackets and factorising Substitution Solving equations Rearranging formulae Shape, Space and Measure <ul style="list-style-type: none"> Scale drawing and enlargement Plans and elevations Bearings 	Shape, Space and Measure <ul style="list-style-type: none"> Angles in parallel lines Angles in polygons (H) Number <ul style="list-style-type: none"> Ratio: comparisons and mixing Proportional reasoning: simple compound measures 	Number <ul style="list-style-type: none"> Calculating with fractions and mixed numbers Percentages (multipliers, profit/loss) Shape, Space and Measure <ul style="list-style-type: none"> Area of trapezia Area/Circumference of circles Surface area Volume of right prisms 	Algebra <ul style="list-style-type: none"> Sequences Equations of straight lines: introduction to $y=mx+c$ and sketching Shape, Space and Measure <ul style="list-style-type: none"> Transformations: reflection, rotation, translation and enlargement 	Probability <ul style="list-style-type: none"> Relative frequency Probability trees (H) Statistics <ul style="list-style-type: none"> Pie charts Scatter Graphs Averages from frequency tables
9	Number <ul style="list-style-type: none"> Indices Standard Form: calculations FDP – recurring decimals Rounding, error intervals and estimation Shape, Space and Measure <ul style="list-style-type: none"> Plans and elevations Construction and loci 	Number <ul style="list-style-type: none"> Calculating with mixed numbers Percentages Algebra <ul style="list-style-type: none"> Expand and simplify Expanding double brackets and factorising (H) Number <ul style="list-style-type: none"> Ratio: complex problems Proportional reasoning: direct/inverse proportion, compound measures 	Algebra <ul style="list-style-type: none"> Sequences: quadratic (H) Solving equations Inequalities Shape, Space and Measure <ul style="list-style-type: none"> Area/Circumference of circles Sectors (H) 	Shape, Space and Measure <ul style="list-style-type: none"> Volume of cylinders Surface area of cylinders (H) Pythagoras' theorem Trigonometry in right angle triangles (H) Algebra <ul style="list-style-type: none"> Equations of straight lines: $y=mx+c$ 	Algebra <ul style="list-style-type: none"> Non-linear graphs Simultaneous equations – introduction (H) Statistics <ul style="list-style-type: none"> Frequency polygons Stem and leaf Averages from grouped frequency tables 	Shape, Space and Measure <ul style="list-style-type: none"> Angles in parallel lines Angles in polygons Congruence and similarity Probability <ul style="list-style-type: none"> Tree diagrams (H) Independent and dependent events