Key	Numbers	Geometry	Algebra	Probability	Ratio	**Statistics**

Year	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
7	Week 1 &2 Decimals, BIDMAS and powers Week 3 Drawing and Calculating Angles Week 4 Intro to Probability Week 5 Fractions Week 6- 8 Introduction to Algebra Review and revision	Week 1 Pie Charts Week 2 Area of a triangle and compound shapes Week 3 Directed Numbers Week 4 Expanding Brackets Week 5 Substitution including negative numbers Week 6 Coordinates Week 7 Translation	Week 1 Symmetry Week 2 Averages Week 3 Rounding, Prime and HCF/LCM Week 4 Straight Line Graphs Week 5 Quadrilaterals properties / Properties of 2D shapes Week 6&7 Solving Equations Review and revision	Week 1 Data Collection Week 2 Percentages Week 3 Reflection and rotation Week 4 Travel Graphs and Speed Calculations Week 5 Sequences Week 6 Constructions Review and revision	Week 1 Probability and Sample Spaces Week 2 Area and Perimeter of Circles Week 3 Area of Other Shapes Weeks 4 & 5 Re arrange and Solve Harder Equations Week 6 Fractions applications Review and revision	Week 1 Ratio Week 2 Conversion of Units Week 3 Volume and Surface Area of Cuboids Week 4 & 5 Writing expressions Week 6 Re arrange Formulae Exams & revision Week 7 exam
8	Week 1 Plotting Coordinates Week 2 Negative numbers and substitution Week 3 Sequences Week 4 & 5 Expanding brackets and solving equations Week 6 Decimals and Fractions **Week 7 Drawing views** Review and revision	Week 1 & 2 Pythagoras Week 3 Surface Area of 3D shapes Week 4 Volume of 3D shapes Week 5 Stem and leaf Week 6 &7 Transformations and enlargement Review and revision	Week 1 Expanding double brackets Week 2 Plotting Linear graphs Week 3 Factorising Week 4 Percentage increase and simple interest Week 5 & 6 Averages for Frequency Tables Week 7 Angles in a polygon	Week 1&2 Equation of a line y=mx+c Week 3 Solving Inequalities Week 4 reverse percentage Week 5 Probability of Two Events Week 6 Rounding to Significant Figures and estimating Review and revision	Week 1 Change the Subject Week 2: Simultaneous Equations Week 3: Laws of index Week 4 Standard Form Week 5 Area/Perimeter of compound shapes involving Circles Week 6 Frequency Polygon Review and revision	Week 1& 2 Angles in parallel lines Week 3 & 4 Scale Drawings and Bearings Week 5 & 6 Direct and Inverse Proportion Exams & revision Week 7 Functional Skills
9	**Revision:** **Week 1: Basic number** – Operations place value, estimating Week 2: Basic fractions worded problems **Week 3: Factors & multiples** **Week 4 & 5: Angles** – at a point, line and parallel	Week 1 &2: Trigonometry Week 3: **Coordinates and linear graphs** **Week 4: Rounding** – rounding, error interval, bounds **Week 5: Collecting and representing data**	**Week 1& 2: Basic percentages** – percentage change, worded problems **Week 3&4: Perimeter and area** – properties of shapes, area of polygons, perimeter of 2D shapes **Week 5& 6: Real life graphs –** plot and interpret graph, gradient	**Week 1& 2: Circumference of circle, area and arc length of a** sector of circle **Week 3: Ratio and proportion –** simplest form, best buy, fractions and linear functions	**Week 1& 2: Basic Probability** and trees, Week 3: Algebraic probability tree diagram **Week 4: Scatter graphs –** correlation, line of best fit, predict, interpolate, extrapolate	**Week 1& 2: Transformations -** congruent and similar, reflection, translation, rotation, fractional and negative scale factor. **Week 3& 4: Construction & loci** – ruler and compass

	Week 6: Ratio and proportion – recap **Basic algebra review** – brackets, expressions, HCF Review and revision	**Week 6: Sequences** – Fibonacci, quadratic, geometric, nth term Exams & revision	of line graph, rate of change. Week 7: Review and revision	**Week 4& 5: Equations -** substitution, solve linear equation Week 6: Review and revision	**Week 5: Standard form** Ordinary numbers, converting into standard form, ordering the numbers, word problems. Week 6: Review and revision	construction, bisectors **Week 5: 2D representations of 3D shapes, nets, planes** **Week 6: Revision**
10	**Week 1& 2: Number recap** – decimals, bounds, sequence, indices **Week 3: Measures –** limits of accuracy, standard units, compound measures **Week 4 &5 Surds –** exact calculations, simplify, geometric progression Week 6: Review and revision	**Week 1: Statistical measures –** mean, median, mode, spread, population and samples **Week 2: Indices –** integer powers, real roots, estimate powers and roots **Week 3: Properties of polygons** **Week 4: Probability -** theoretical probability, sample size, Venn, tree diagrams, conditional probability, Week 5: Review and revision Week 6: Exams & revision	**Week 1: Calculating with percentages** – reverse, compound interest **Week 2: Congruence and similarity** **Week 3&4: Algebraic fractions** **Week 5 &6: Pythagoras theorem and basic trigonometry -** formula, SOHCAHTOA, exact trig value, trig ratios Week 7: Review and revision	**Week 1&2: Simultaneous equations** - linear, quadratic, algebraic and graphic, derive, solve and interpret **Week 3&4: Circle theorems -** **Week 5&6: Factorising Linear and quadratic expressions** **Review and revision.**	**Week 1: Algebra: Sketching graphs** Linear and quadratic functions, simple cubic and reciprocal function **Week 2&3: Statistics recap –** histogram, cumulative f, plot and interpret boxplots Week 4: Compound measures Week 5: Review and revision Week 6: exams	**Week 1 &2: Algebra recap** – y=mx+c, parallel and perpendicular lines, graphically and algebraically. **Week 3: Geometry and measures recap –** congruent and similar shapes, transformations, scale factors Week 4&5: Functions and inverse Week 6: Revision:
11	**Week 1 &2: Sine and cosine rules** **Week 3: Transforming functions** **Week 4: Numerical methods -iteration** **Week 5 &6: Growth and decay** Review and revision	**Week 1: Equation of a circle** **Week 2 & 3: Further equations and graphs** – quadratic equations (factorise, complete the square and formula), roots, intercepts, turning points. **Week 4&5 Vectors** – add, subtract, multiply, proof.	**Week 1: Inequalities –** linear and quadratic inequalities, number lines and graphs. **Week 2 & 3: Direct and inverse proportion** – graphs and equations **Week 4 &5: Pre-calculus and area under a curve** Week 6& 7: Review and revision	**Week 1: Functions and inverse** **Algebra:** further quadratics, rearranging. **Week 2: Further sketching graphs –** linear, quadratic, cubic, 1/x, kx, trig functions **Week 3: Trigonometry recap and extension** –	Revision	Exams & revision