|  |  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| $\begin{aligned} & \text { 읃 } \\ & \frac{1}{\pi} \\ & \end{aligned}$ | Foundation tier Content | - Statistics and sampling <br> - The averages <br> - Perimeter, area and volume | - Straight line graphs <br> - Real life graphs <br> - Translations, rotations, reflections and enlargements | - Ratio <br> - Proportion <br> - Pythagoras and trigonometry | - Calculation probability <br> - Experimental probability <br> - Multiplicative reasoning | - Plans and elevations <br> - Constructions, loci and bearings | - Expanding and factorising <br> - Graphs <br> - Circles, cylinders, cones and spheres |
|  | Higher tier Content | - Surds, standard form, indices <br> - Prime factorisations <br> - Solving quadratics | - Vectors <br> - Averages, box plots, histograms, stem and leaf <br> - Simultaneous equations | - Quadratic graphs <br> - Percentages <br> - Circles | - Inequalities <br> - Ratio, direct and inverse proportion <br> - Transformations | - Probability <br> - Circle theorems <br> - Linear and quadratic sequences | - Trigonometry <br> - Algebraic proof <br> - Frequency tables, cumulative frequency graphs and frequency polygons |
| $\begin{aligned} & \text { F } \\ & \stackrel{1}{\mathbb{N}} \\ & \underset{\sim}{2} \end{aligned}$ | Foundation tier Content | - Linear inequalities and quadratics <br> - Percentages, indices and bounds <br> - Angle in parallel lines and circle theorems | - Equation of a straight line <br> - Ratio, direct and inverse proportion <br> - Area and perimeter of a sector and volume | - Cumulative frequency, scatter graphs and Histograms <br> - Sequences, functions and proof <br> - 3D trig. sine and cosine rule | - Tree diagrams <br> - Interest., standard form and surds <br> - Transformations | - Vectors <br> - Similar and congruent shapes | - Exams and revision |
|  | Higher tier Content | - Simplifying expressions, Solving linear equations and factorisation <br> - FDP equivalence, four rules with integers, decimals and fractions and rounding <br> - Basic angle facts, angles in parallel lines and bearings | - Straight line graphs, plotting quadratics, cubics and reciprocals <br> - Ratio, direct and inverse proportion <br> - Area, perimeter, volume and plans and elevations | - Finding averages and charts and graphs <br> - Indices. sequences and rearranging formula <br> - Pythagoras and Trigonometry | - Probability and tree diagrams <br> - Percentages, standard form, factors and interest <br> - Transformations | - Equations and inequalities <br> - Vectors <br> - Similar and congruent shapes | - Exams and revision |

