EGGBUCKLAND ECC Maths aspires to produce students who are developing: An enjoyment of achievement and problem solving. A growing confidence to reason mathematically to understand the world around us. The THE ROAD MAP TO mathematical skills needed for employment and the economy. An appreciation of the beauty of maths. MATHS CURRICUL Unit 19: Reciprocal & exponential graphs; Gradient & area Unit 17: under graphs Formulae, algebraic fractions Unit 15: Unit 14: & equations, Unit 20: Quadratics, rationalising Data · Rearranging Unit 18: expanding brackets, surds, proo cumulative TRIGONOMETRY equations, graphs of cubic and **V**ectors and frequency, box plots, sketching graphs, geometric proof YEAR Unit 16: cubes and reciprocal functions Circle Theorems histograms quadratics and simultaneous and Geometry Unit 13: equations Trigonometry Unit 15: Unit 18: Unit 12: Unit 19. Unit 17: Plans, Elevations, Similarity and Fractions, Similarity and Circles, Unit 16: Constructions, Loci congruence in 2D & 3D congruence reciprocals cylinders, Quadratic and bearings indices and in 2D, **Equations** cones and standard spheres Vectors Unit 14: Unit 11 form Multiplicative Multiplicative reasoning reasoning 0 Unit 10: Unit 13: Appropriate | Relevant Unit 10: **Transformations Probability Probability** Unit 12: Unit 11 YEAR Right-angled Ratio and Unit 9 proportion triangles Unit 9: Unit 8. Graphs Quadratic, Perimeter, Simultaneous Area, 3D equations, Unit 6: forms and Unit 8: Inequalities Graphs and volume geometry Unit 7: Transformations, Unit 7 Unit 5: Perimeter, area, construction, loci Polygons, angles, parallel lines, Pythagoras' Theorem 3D forms, volume, accuracy bounds Statistics, bearings sampling and 0 (4x-(2-5y+2x)+2y) averages (x-4) = (x+5) = -50 Unit 6: Unit 4: Shapes, Fractions, Paralleĺ percentages, Unit 2: Unit 1: Lines and ratios Algebra, Calculations, Angles Unit 3: **EAR** 0000 equations, Averages, factors, Coherent | Vertically Integrated Unit 5 sequences data, graphs number, Equations, value Inequalities & Sequences Unit 4: Unit 2: Unit 1 Unit 3: Fractions and Algebra, Unit 9: Place value Tables and brackets & **Percentages** and number Graphs Graphs formulae $-b \pm \sqrt{b^2-4ac}$ Unit 8: 2aSequences Unit 6: Unit 2: **Formulae** Simplifying Unit 4: **EAR** Expressions Forming expressions and proofs Unit 7: lnequalities = 2x + 4Unit 1: Unit 3: Manipulating Unit 5: Place value **Solving Equations** Terms and number Unit 8: Balanced | Rigorous Fractions and percentages Unit 3: Unit 6: Multiplication Negatives Unit 1 and division Algebraic Fractions EAR Unit 7 Number theory Unit 4: Unit 5: **Indices** × Order of operations Unit 2: 1/2 > Addition and subtraction