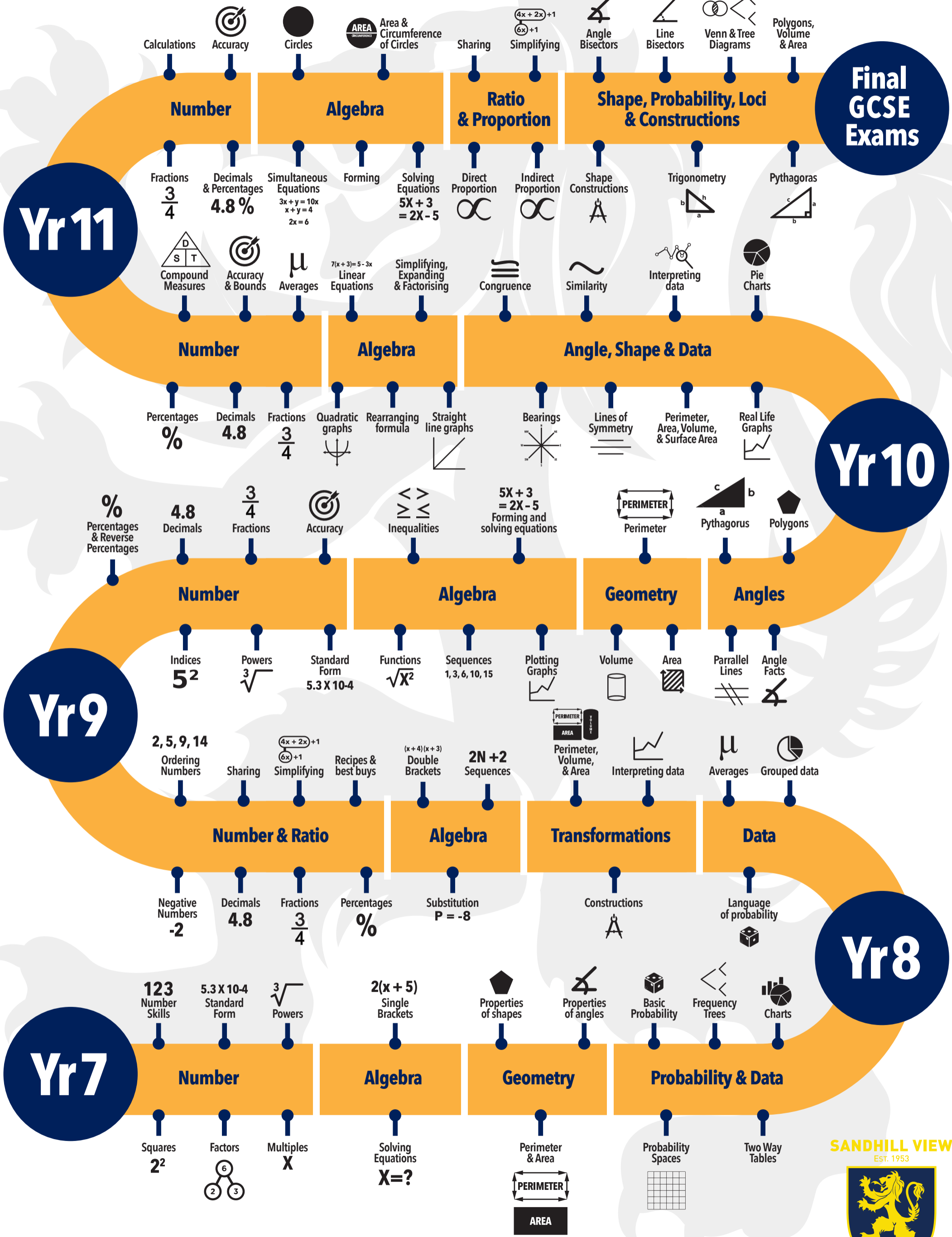


# Maths (Foundation) Learning Journey



**Yr11**

**Final GCSE Exams**

**Yr10**

**Yr9**

**Yr8**

**Yr7**

**Year 11 Topics:** Calculations, Accuracy, Circles, Area & Circumference of Circles, Sharing, Simplifying, Angle Bisectors, Line Bisectors, Venn & Tree Diagrams, Polygons, Volume & Area.

**Year 11 Sub-topics:** Fractions  $\frac{3}{4}$ , Decimals & Percentages 4.8%, Simultaneous Equations  $3x + y = 10x$ ,  $x + y = 4$ ,  $2x = 6$ , Forming, Solving Equations  $5X + 3 = 2X - 5$ , Direct Proportion, Indirect Proportion, Shape Constructions, Trigonometry, Pythagoras.

**Year 10 Topics:** Number, Algebra, Angle, Shape & Data.

**Year 10 Sub-topics:** Percentages %, Decimals 4.8, Fractions  $\frac{3}{4}$ , Quadratic graphs, Rearranging formula, Straight line graphs, Bearings, Lines of Symmetry, Perimeter, Area, Volume, & Surface Area, Real Life Graphs.

**Year 9 Topics:** Number, Algebra, Geometry, Angles.

**Year 9 Sub-topics:** Indices  $5^2$ , Powers  $3\sqrt{\quad}$ , Standard Form  $5.3 \times 10^{-4}$ , Functions  $\sqrt{x^2}$ , Sequences 1, 3, 6, 10, 15, Plotting Graphs, Volume, Area, Parallel Lines, Angle Facts.

**Year 8 Topics:** Number & Ratio, Algebra, Transformations, Data.

**Year 8 Sub-topics:** Ordering Numbers 2, 5, 9, 14, Sharing, Simplifying, Recipes & best buys, Double Brackets  $(x+4)(x+3)$ , Sequences  $2N+2$ , Perimeter, Volume, & Area, Interpreting data, Averages, Grouped data.

**Year 7 Topics:** Number, Algebra, Geometry, Probability & Data.

**Year 7 Sub-topics:** Negative Numbers -2, Decimals 4.8, Fractions  $\frac{3}{4}$ , Percentages %, Substitution  $P = -8$ , Constructions, Language of probability.

**Year 7 Sub-topics (continued):** Number Skills 123, Standard Form  $5.3 \times 10^{-4}$ , Powers  $3\sqrt{\quad}$ , Single Brackets  $2(x+5)$ , Properties of shapes, Properties of angles, Basic Probability, Frequency Trees, Charts.

**Year 7 Sub-topics (continued):** Squares  $2^2$ , Factors, Multiples X, Solving Equations  $X=?$ , Perimeter & Area, Probability Spaces, Two Way Tables.