



Pembroke Mathematics Curriculum Map 2025-2026

Year 7

- Module 1:** Place value, four operations, averages and range
- Module 2:** Rounding and estimating, Directed number, Sequences
- Module 3:** Algebraic notation, expressions and equations, Graphing data
- Module 4:** Fractions, decimals and percentages, Fractions and percentages of amounts, Area and perimeter
- Module 5:** Speed distance time, Properties of number
- Module 6:** Add and subtract fractions, Angles and polygons

Year 8

- Module 1:** Ratio & scale, Multiplicative scale, Algebraic manipulation
- Module 2:** Coordinates and graphs, Multiply and divide fractions
- Module 3:** Symmetry and reflections, Area, volume and density, Equations and inequalities
- Module 4:** Percentages, Indices, Standard form
- Module 5:** Interpret and represent data, Angles in parallel lines and polygons, Tables and probability
- Module 6:** Circles, Graphs and charts, Sequences

Year 9

- Module 1:** Properties of number, Percentages, Area and volume
- Module 2:** Equations, inequalities and formulae, Fractions, Rates
- Module 3:** Maths and money, Straight line graphs, Ratio and proportion
- Module 4:** Constructions and congruence, Similarity, Algebraic manipulation
- Module 5:** Pythagoras' theorem, Non-linear graphs, Probability
- Module 6:** Transformations, Simultaneous equations, trigonometry

Year 10

- Module 1:** Algebraic manipulation, Equations, inequalities and formulae, Quadratic expressions and equations
- Module 2:** Percentages, Ratio and scale, Work with fractions, Non-calculator methods
- Module 3:** Straight line graphs, Probability, Rounding and estimating
- Module 4:** Perimeter, area and volume, Interpret and represent data, Non-linear graphs
- Module 5:** Angles, Graphs and diagrams, Vectors
- Module 6:** Factors, powers and surds, Pythagoras' theorem and trigonometry, Simultaneous Equations

Year 11

- Module 1:** Gradients & lines, non-linear graphs, using graphs.
- Module 2:** Expanding & factorising, changing the subject, functions.
- Module 3:** Multiplicative reasoning, geometric reasoning, algebraic.
- Module 4:** Transforming & constructing, listing & describing, proof.
- Module 5:** Review & revision.