

# KS4 Curriculum Overview

This scheme assumes 4 hours maths teaching per week in year 4 and year 5.

There is some overlap between the KS3 course and the KS4 course, therefore the suggested teaching hours for KS4 assume that students have already covered some of the material in their 3-year KS3 course, and that some of the lessons can be combined, set as homework or not taught.

Here are some suggestions for fitting the content into the suggested teaching times:

- Lessons where the content has previously been taught at KS3 can be combined, particularly in the earlier units.
- The Prior knowledge check, Check up and/or Unit test could be set as homework rather than taking up teaching time.
- It may not be necessary to cover all strategy problem-solving lessons in full with students who used our KS3 Maths Progress course as they will already be familiar with many of the strategies.
- The functional problem-solving lessons could be omitted, or saved for the revision period. These lessons provide richer activities in real-life contexts but do not contain any new teaching.

Foundation Route		Higher Route	
Year 4	Year 5	Year 4	Year 5
<b>GCSE (9 - 1) Foundation</b>	<b>GCSE (9 - 1) Foundation</b>	<b>GCSE (9 - 1) Higher</b>	<b>GCSE (9 - 1) Higher</b>
Unit 1 Number	Unit 13 Probability	Unit 1 Number	Unit 13 More trigonometry
Unit 2 Algebra	Unit 14 Multiplicative reasoning	Unit 2 Algebra	Unit 14 Further statistics
Unit 3 Graphs, tables and charts	Unit 15 Constructions, loci and bearings	Unit 3 Interpreting and representing data	Unit 15 Equations and graphs
Unit 4 Fractions and percentages	Unit 16 Quadratic equations and graphs	Unit 4 Fractions, ratio and proportion	Unit 16 Circle theorems
Unit 5 Equations, inequalities and	Unit 17 Perimeter, area and volume 2	Unit 5 Angles and trigonometry	Unit 17 More algebra
Unit 6 Angles	Unit 18 Fractions, indices and standard form	Unit 6 Graphs	Unit 18 Vectors and geometric proof
Unit 7 Averages and range	Unit 19 Congruence, similarity and vectors	Unit 7 Area and volume	Unit 19 Proportions and graphs
Unit 8 Perimeter, area and volume 1	Unit 20 More algebra	Unit 8 Transformations and constructions	
Unit 9 Graphs		Unit 9 Equations and inequalities	
Unit 10 Transformations		Unit 10 Probability	
Unit 11 Ratio and proportion		Unit 11 Multiplicative reasoning	
Unit 12 Right-angled triangles		Unit 12 Similarity and congruence	