

2 year GCSE Scheme of Work

At the end of Year 9/start of Year 10, students should do the GCSE Baseline test (Foundation or Higher), to help you to decide whether they should follow the Foundation or Higher route in years 10 and 11.
Tests for the 3 year SoW for KS3 and the 2 year SoW for GCSE can be found on Pearson's ActiveLearn Digital Service, which combines front-of-class teaching resources with online homework and practice, as well as planning and assessment materials.

This scheme assumes 4 hours maths teaching per week in year 10 and year 11.
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

YEAR 10

GCSE (9-1) Foundation
Unit 1 Number
Unit 2 Algebra
Unit 3 Graphs, tables and charts
Unit 4 Fractions and percentages
Unit 5 Equations, inequalities and sequences
Unit 6 Angles
Unit 7 Averages and range
Unit 8 Perimeter, area and volume 1
Unit 9 Graphs
Unit 10 Transformations
Unit 11 Ratio and proportion
Unit 12 Right-angled triangles
Unit 13 Probability
Unit 14 Multiplicative reasoning
Unit 15 Constructions, loci and bearings

YEAR 11

GCSE (9-1) Foundation
Unit 16 Quadratic equations and graphs
Unit 17 Perimeter, area and volume 2
Unit 18 Fractions, indices and standard form
Unit 19 Congruence, similarity and vectors
Unit 20 More algebra

HIGHER ROUTE

YEAR 10

GCSE (9-1) Higher
Unit 1 Number
Unit 2 Algebra
Unit 3 Interpreting and representing data
Unit 4 Fractions, ratio and proportion
Unit 5 Angles and trigonometry
Unit 6 Graphs
Unit 7 Area and volume
Unit 8 Transformation and constructions
Unit 9 Equations and inequalities
Unit 10 Probability
Unit 11 Multiplicative reasoning
Unit 12 Similarly and congruence
Unit 13 More trigonometry
Unit 14 Further statistics
Unit 15 Equations and graphs

YEAR 11

GCSE (9-1) Higher
Unit 16 Circle theorems
Unit 17 More algebra
Unit 18 Vectors and geometric proof
Unit 19 Proportion and graphs