Haberdashers' Abraham Darby
Year 11 Foundation Maths Learning Journey

This way to Year 12

Ready to build on for Year 12 sixth form or college.

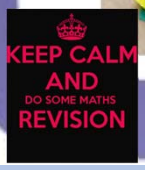
GCSE Exams

Exam Preparation
Build a portfolio of revision material, to help remember Powerful Knowledge and commit key information to long term memory. You will be tested on all the content learned over the GCSE.

Revision
Summer Term 2

Revision Exam Preparation
Bespoke revision programme.

Revision
Summer Term 1



Revision Exam Preparation
Bespoke revision programme.

Revision
Spring Term 2

Unit 15 Construction, Loci and Bearings
Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings. Use angles at parallel lines to work out bearings. Solve bearings problems

Mock Exam Preparation
Revise the Core and Powerful Knowledge and commit key information to long term memory. You will be tested on all content covered for the GCSE course.

Loci, Bearings and Mock Exam Preparation
Spring Term 1

Unit 17 Perimeter, area, and volume 2
Find circumference and area of circles. Find perimeter and area of semi-circles, sectors and compound shapes. Workout volume and surface area of cylinders, pyramids, cones, and composite solids.

Unit 18 Fractions, indices, and standard form
Multiply and divide mixed numbers. Use the laws of indices. Write and do calculations in standard form.

Unit 19 Congruence, similarity, and vectors
Understand similarity. Use scale factor for enlargement and to calculate perimeter. Recognise congruency. Workout angles and sides using congruency. Undertake calculations with vectors.

Unit 20 More algebra
Draw and interpret cubic graphs and graphs of $y = 1/x$. Solve simultaneous equations graphically and algebraically. Change the subject of formulae. Identify expressions, equations, formulae and identities. Prove results using algebra.

Area, Volume, Number, Congruence and More algebra
Autumn Term 2

14 Multiplicative Reasoning
Calculate percentages. Express one number as a percentage of another. Calculate repeated percentage change, growth and decay. Calculate speed,

distance, time and acceleration •

Unit 12 Right-Angled Triangles
Understand and use Pythagoras and Trigonometry to find lengths and angles. Know the exact trigonometry values for sine, cosine and tangent for some angles

Unit 16 Quadratic equations and graphs
Expand double brackets. Plot quadratic functions. Factorise quadratic expressions. Solve quadratic equations $ax^2 + bx + c = 0$, using a graph and algebraically.

Triangles, Multiplicative Reasoning and Quadratics
Autumn Term 1

KS4
Students will have worked through a comprehensive maths curriculum in Year 10 comprising elements of number, geometry, algebra, ratio and statistics

Start here