

## GCSE: Unit 3 Geometry and Algebra Revision Course

**Course 1:** Grade C Booster

**Course 2:** Grade A/A\* Booster

0900 to 1200 (Foundation)

1300 to 1600 (Higher)

(Please note that these run as two separate courses and will have a maximum of 8 students.)

**Board:** AQA (43603H and 43603F) [AQA-4360-W-SP.pdf](#)

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The emphasis given to each topic will vary according to the strengths and weaknesses of the students in the groups and the syllabus for which they have been taught. It is therefore important that students give as much detail as possible on the questionnaire about their syllabus and any areas of specific difficulty. Working without calculators will also be practised as this skill forms part of the assessment criteria.

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### **COURSE CONTENT (Higher Tier): Focusing on grades A and A\***

- Density
- Solving quadratic equations graphically
- Solving simultaneous equations graphically
- Recognising shapes of graphs; Drawing complex graphs
- Trigonometric graphs; Transformations of functions
- Solving quadratic equations using:  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
- Solving equations with algebraic fractions
- Proportionality
- Arcs and sectors
- Circle Theorems
- Surface area of cylinders, cone and spheres; Volume of cones and spheres
- Similar shapes and scale factors
- 2D trigonometry; 3D Pythagoras' theorem and trigonometry
- Sine and cosine rule; Area of triangles
- Congruent triangles; Enlargement
- Vectors

### **COURSE CONTENT (Foundation Tier): Focusing on grade C**

- Reciprocals
- Trial and improvement
- Drawing graphs – quadratic
- Circumference and area of circles
- Surface area and volume of prisms
- Density
- Pythagoras
- Regular polygons
- Transformations: Translation, Rotation, Reflection and enlargement
- Constructions
- Loci
- Dimensional analysis
- Midpoints

# Application Form:

**Course: GCSE MODULE 3 Revision Course**  
(Higher/Foundation) – Please specify.

## Student Details:

Student's Family Name: \_\_\_\_\_

Miss / Mr: \_\_\_\_\_

First Names: \_\_\_\_\_

Home Address: \_\_\_\_\_

Postcode: \_\_\_\_\_

Telephone: \_\_\_\_\_

Student's Mobile Number: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Student's School/College: \_\_\_\_\_

## Parents/Guardian Details:

(Who must be available in event of an emergency during the course.)

Name: \_\_\_\_\_

Address: (If different from above)  
\_\_\_\_\_

Postcode: \_\_\_\_\_

E-mail: \_\_\_\_\_

Day Telephone: \_\_\_\_\_

Evening Telephone: \_\_\_\_\_

### Conditions of Acceptance

1. Full course fees must be paid on registration. Late applications will be considered only if there are unfilled places on the course.
2. Amadou Education reserves the right to cancel any course at its discretion. Where a course is cancelled, students may obtain a full refund of fees. Fees are not refundable in any other circumstances.
3. Amadou Education reserves the right to dismiss any student whose conduct is unsatisfactory, at the discretion of the Principal, whose decision will be final.
4. Amadou Education shall not be liable for any loss or damage to the personal property of those attending the course unless caused by the negligence of Amadou its employees or agents.

### Parental Approval

I accept all conditions as mentioned on above.

Signature of Parent/Guardian: \_\_\_\_\_

Dated: \_\_\_\_\_

### How did you hear about the Amadou?

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Please tick one of the below as appropriate

I enclose a cheque for £ \_\_\_\_\_ made payable to 'AMADOU' [  ]

I have deposited £ \_\_\_\_\_ through BACS transfer [  ]

*BACS Transfer details are as follows*

*Sort Code – 40-22-26  
Account Number - 32786168*

*Note – if making payment by BACS transfer you will be booked when payment is received and we will contact you to confirm receipt of payment.*

Please send this completed form to:

**The Administrator, Amadou, Hazelwood, Longmead, Guildford, Surrey GU1 2HN.**