

## GCSE: Edexcel Linear Course (Higher and Foundation Tier)

**Course 1:** Grade A/A\* Booster                      **Dates:** 13<sup>th</sup> and 14<sup>th</sup> February (09.00 to 16.00)

**Course 2:** Grade C Booster                      **Dates:** 15<sup>th</sup> and 16<sup>th</sup> February (09.00 to 16.00)

(Please note that these courses will have a maximum of 8 students.)

**Venue:** St. John's Centre, Merrow              **Cost:** £150 (£200 in 2012)              **Board:** EDEXCEL  
2210 [http://www.edexcel.com/migrationdocuments/GCSE2010/Spec%20A\\_Issue%202\\_WEB.pdf](http://www.edexcel.com/migrationdocuments/GCSE2010/Spec%20A_Issue%202_WEB.pdf)

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. (This will be sent out once a course booking is made). 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\*

- 13<sup>th</sup> February**
- Session 1:** Reverse percentages; Standard form; Bounds; Changing the subject of a formula; using  $y = mx + c$ ; Solving inequalities graphically; Direct and inverse proportion; Solving equations that have fractions.
- Session 2:** Factorising quadratic equations; Surds; Completing the square; simplifying algebraic fractions; Solving simultaneous and quadratic equations; Algebraic proofs.
- 14<sup>th</sup> February**
- Session 3:** Similar triangles; Area and volume of similar shapes; Pythagoras' theorem and trigonometry in 2-D and 3-D; Volume and surface area of 3D shapes; Using the Sine rule, Cosine rule and  $\frac{1}{2}ab\sin C$ .
- Session 4:** Circle Geometry; vectors; Histograms; stratified sampling; Probability of independent events and mutually exclusive events; Conditional probability.

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

- 15<sup>th</sup> February**
- Session 1:** Writing a number as a product of its prime factors; Highest common factor; Lowest common multiple; Long multiplication and multiplication of decimals; Long division and division of decimals; Fractions of quantities; Percentages of quantities; Percentage change; Sharing a quantity in a given ratio; Estimating.
- Session 2:** Basic algebra; Deriving expressions and formulae; multiplying out brackets; Negative numbers, expressions and formulae; Solving equations that have brackets; Setting up equations; Changing the subject of a formula; Tables of values; Graphs; nth term of an arithmetic sequence; trial and improvement.
- 16<sup>th</sup> February**
- Session 3:** Area of a triangle; Area and perimeter of compound shapes; Angle sum of triangles and quadrilaterals; Regular polygons; Bearings; Speed; Circumference and area of a circles and application to semicircles and quarter circles; Transformations; Pythagoras' theorem.
- Session 4:** Averages and range; Stem and leaf diagrams; Using grouped frequencies; Estimating the mean of grouped data; Probability and expected frequency.

# Application Form:

**Course: GCSE HIGHER/FOUNDATION Revision Course**

## **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 £150 made payable to 'AMADOU' [  ]**

**I have deposited £150 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 Education, Hazelwood, Longmead, Guildford, Surrey GU1 2HN.**