

## **GROUP 4 - MATHEMATICS**

### **International Mathematics (0607)**

#### **Content Overview:**

Cambridge IGCSE International Mathematics has been developed to offer an international curriculum. It is certified by Cambridge at the end of the two years course.

The learners develop their reasoning and analytical skills and learn strategies for solving open-ended problems. It also allows them to sharpen their investigation and modeling skills. To be able to use the graphical calculator effectively is another advantage.

#### **Assessment Overview**

All candidates take three components.

Candidates who have studied the Core syllabus content should be entered for Paper 1, Paper 3 and paper 5. These candidates will be eligible for grades C to G.

Candidates who have studied the extended syllabus content should be entered for Paper 2, Paper 4 and paper 6. These candidates will be eligible for grades A\* to E.

## **Additional Math (0606)**

### **Content Overview**

All candidates will study the following topics:

1. Functions
2. Quadratic functions
3. Equations, inequalities and graphs
4. Indices and surds
5. Factors of polynomials
6. Simultaneous equations
7. Logarithmic and exponential functions
8. Straight line graphs
9. Circular measure
10. Trigonometry
11. Permutations and combinations
12. Series
13. Vectors in two dimensions
14. Differentiation and integration

The content of Cambridge IGCSE Mathematics is assumed as prerequisite knowledge for this qualification.

### **Calculators**

The syllabus assumes that candidates will be in possession of a scientific calculator for both papers. Candidates must show all necessary working; no marks will be given to unsupported answers from a calculator. Non-exact numerical answers will be required to be given correct to three significant figures, or one decimal place in the case of angles in degrees, unless a different level of accuracy is specified in the question.

### **Assessment Overview**

All candidates take two papers. Candidates are eligible for grades A\* to E. Grades F and G will not be available. Candidates who do not achieve the minimum mark for grade E will be unclassified.