



CARIBBEAN EXAMINATIONS COUNCIL

CSEC[®]

Mathematics

**SYLLABUS
SPECIMEN PAPER
MARK SCHEME
SUBJECT REPORTS**

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CSEC Mathematics

The CSEC Mathematics syllabus addresses the personal development and educational needs of Caribbean students by encapsulating a variety of skills integral to everyday life and prerequisites for entering environments of work and academia. These skills include critical and creative thinking, problem solving, logical reasoning, modelling ability, team work, decision making, research techniques, information communication and technological competencies for life-long learning.

The syllabus also uniquely details a smooth progression of concepts that caters for students with primary or rudimentary knowledge of mathematics, and it can be easily subdivided to match the curricula of the different grades within the local high schools. Moreover, it is centrally positioned within the CXC sequence of examinations bridging the CPEA and CCSLC with the Additional and **CAPE**[®] Mathematics syllabuses. The competencies and certification acquired upon completion of this course of study is comparable with the mathematics curricula of high schools world-wide.

The syllabus is divided into nine (9) Sections:

SECTION 1 – NUMBER THEORY AND COMPUTATION

SECTION 2 – CONSUMER ARITHMETIC

SECTION 3 – SETS

SECTION 4 – MEASUREMENT

SECTION 5 – STATISTICS

SECTION 6 – ALGEBRA

SECTION 7 – RELATIONS, FUNCTIONS AND GRAPHS

SECTION 8 – GEOMETRY AND TRIGONOMETRY

SECTION 9 – VECTORS AND MATRICES



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