COURSE OUTLINES

PREP

In the preparatory classes, there are two periods of mathematics lessons per week. Students at this grade level concentrate on learning the mathematical terminology in English with written and oral applications. These lessons serve to prepare students for the mathematics lesson in grade 9,so the skills of problem solving are developed. The students learn how to use the TI-84 calculator. In this grade level, our students learn about numbers, algebra, functions, geometry, and trigonometry. Our mathematics curriculum is aligned with the school's mission and objectives.

GRADE 9

Six periods of mathematics per week are taught at this level. The subjects taught are based on the Ministry of Education's secondary school mathematics curriculum. The topics are logic, sets, equations and inequalities, division and divisibility, triangles, and data. In addition, TI-84 calculators are used in our courses. Our mathematics curriculum is aligned with the school's mission and objectives.

GRADE 10

Six hours of mathematics per week are taught at this level. The subjects taught are based on the Ministry of Education's secondary school mathematics curriculum and include data, counting and probability, second degree equations, functions, polynomials, analytical geometry, quadrants and polygons, circles, and geometrical objects. TI-84 calculators are used in our courses. Our mathematics curriculum is aligned with the school's mission and objectives.

GRADE 11

The International Baccalaureate Diploma Program (IBDP) is offered to students taking IBDP in this grade level. During this two-year academic program, IB FM and IB TM students learn about trigonometry, complex numbers, logarithms, induction and sequence, vector, statistics, permutation, combination and probability during the six periods of mathematics per week. In the non-IB FM and TM classes, the topics covered are logic, modular arithmetic, equations and inequations, trigonometry, exponential-logarithmic functions, arithmetic-geometrical sequences, and transformations.

GRADE 12

In their senior year, students learn about limit, derivative, integral, analytic geometry, probability and space geometry in their mathematics lessons. IB FM and IB TM groups learn about special functions, limit, derivative, integral, and advanced statistics.