



**SYLLABUS 2020-2021**  
SECONDARY SCHOOL  
**7TH GRADE**

**PRE – ALGEBRA**

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**LIFE AHEAD METHODOLOGY**

Personal growth is assured through the philosophical foundations, and the school's Life Ahead Methodology. The Life Ahead Methodology promotes autonomy, organization, responsibility, and social skills. Its major goal is to produce self-reliant individuals who will assume an ever-greater responsibility for their own learning.

**COURSE DESCRIPTION**

Throughout the year students will develop abilities in solving expressions and multi-step equations. They will also apply several formulas and solve real life problems. One of the year's challenges is working with the precision to solve integer exercises in different topics, such as decimals and fractions

**OBJECTIVES**

Students will increase their ability to use common sense and algebraic thinking. Specific operations will involve integer's equations, factors, inequalities, fractions, various types of measurement, etc. Particular emphasis will be placed on mathematical operations new to students, but review of all mathematical concepts previously studied is considered very important.

**CONTENT**

- Number sense, Patterns, and Algebraic Thinking
- Integer Operation
- Solving Equations and Inequalities
- Factors, Fractions, and Exponents
- Rational number Operations
- Multistep Equations and inequalities
- Ratios, Proportions and Percent
- Polygons and Transformation
- Real numbers, and right triangles
- Measurement, Area, and Volume
- Linear Equations and Graphs
- Data Analysis and Probability
- Polynomials and Functions

**SKILL STRANDS**

Adding and subtracting rational numbers, Multiplying and dividing rational numbers, Adding, subtracting, multiplying, and dividing with rational numbers to solve real-world problems, Calculating unit rates based on ratios that include fractions, Identifying and showing proportional relationships, Solving ratio and percentage

problems with multiple steps, percentage increase, interest rates, Adding, subtracting, factoring, and expanding linear expressions that include rational coefficients.

### **TEXTBOOK**

McDougal Littell, "MATH" course 3

### **EXPECTATIONS**

Classes are instructed in English, students are held to the expectations to speak only English at all times, including during group work with peers. Students are expected to participate in class and ask questions when they do not understand the lesson being taught. They must check Google Classroom daily for assignments or evaluations.

### **ASSESSMENT**

Students are usually evaluated every Friday. (May be subject to change, due to other activities.) Students will have the opportunity to improve all test grades, except semester and final exam. Grading system: 60% tests and quizzes, classwork 40%

### **WEEKLY FOLDER:**

Evaluations will be sent home in the Friday Folder, please sign, and return on Monday.

### **CITAS**

Si necesita consultar o expresar alguna inquietud sobre el desarrollo o evaluación de la materia, puede solicitar una entrevista con el (la) docente en recepción al 2316-7800 o enviar correo electrónico a [iamaya@colegiomaya.edu.sv](mailto:iamaya@colegiomaya.edu.sv)

### **INFORMACIÓN**

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