SYLLABUS 2022-2023
SECONDARY SCHOOL
6TH GRADE

MATH

Mrs. Cony Morales - cmorales@colegiomaya.edu.sv

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

This course places emphasis on the study of whole numbers, decimals, and fractions. Also included are conversions within a given measurement system, estimation, geometry, the use of ratios to compare sets of data, and the solving of equations and expressions with one variable.

Students are taught to use the correct mathematical vocabulary, concepts, skills and symbols. We also continue to teach problem-solving skills.

OBJECTIVES:

- Understand pre-algebra concepts.
- Apply the order of operations to numerical expressions.
- Identify decimal place value; compare and order decimals.
- Know how to use ratios and rates to compare data.
- Locate and plot points on a coordinate graph using ordered pairs.
- Understand the relationship between fractions, decimals, and percents.
- Master basic operations, such as multiplying and dividing rational numbers, fractions and decimals.
- Solve linear equations.

CONTENT

- Variables, expressions, and simple equations
- Exponents
- Order of Operations
- Graphing: line graph, bar graph, stem and leaf.
- Measures of central Tendency: mean, median, and mode
- Decimals, Fractions and Mixed Numbers: Addition, Subtraction, Multiplication and Division.
- Integers
- Equations
- Fractions-Decimals and Percents.
- Ratios and Proportions
- Angles and Triangles
- The Pythagorean Theorem
- Areas of plane figures

SKILL STRANDS

Students will be able to:

- Identify variables used in algebraic expressions.
- Evaluate expressions involving two or more operations.
- Solve one- and two-step equations with variables on one side of the equation.
- Perform four operations with decimals and fractions.
- Use GCF and LCM to make equivalent fractions.
- Convert between fractions, mixed numbers, and decimals.
- Perform the four basic operations with negative and positive integers.
- Simplify expressions by combining like terms.
- Name, locate, and plot points in all four quadrants of a coordinate grid.
- Solve proportions and understand how to apply them in a real-world problem.
- Relate fractions, decimals, and percentages.
- Solve equations using the idea of opposite or inverse operations to solve it.
- Classify angles and triangles.
- Use appropriate formulas to find the area of different plane figures

TEXTBOOK

"MATH COURSE 2 – (Mc Dougal Littell 2007)

EXPECTATIONS

All students are expected to:

- Speak English at all times.
- Participate in class and ask questions when concepts or procedures are not clear.
- Manage their time wisely.
- Study for tests and quizzes.
- Bring all necessary material to class.
- Make up for any missed evaluation and/or classwork
- Respect classmates and their opinions.

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, classwork40%

WEEKLY FOLDER:

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

APPOINTMENTS:

If you have any questions, you can request a meeting with the teacher by sending an email to iamaya@colegiomaya.edu.sv or calling 2316-7800.

For further information, we invite you to visit us at:

🌐 www.colegiomaya.edu.sv   **f** /colegiomayadeelsalvador   ⧉ colegio.maya