



**SYLLABUS 2022-2023**  
**11th GRADE**

**CHEMISTRY**

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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**

Chemistry is directed toward explaining the composition of matter. Emphasis is placed on chemical principles and their application, problem solving, and the development of laboratory skills.

**OBJECTIVES**

- Appropriate scientific processes and principles in making personal decisions.
- Effectively engage in public discourse and debate about matters of scientific and technological concern.
- Increase in student's economic productivity throughout their careers through the use of the knowledge, understanding, and skills employed by the scientifically literate person.

**CONTENT**

- Atomic Structure
- Electron Arrangement
- The Periodic Table
- Ionic and Covalent Substances
- Chemical Equations and Reaction Rates
- Measurements and the Mole
- Stoichiometry and Heat Transfer
- The States of Matter
- Water and Aqueous Solutions
- Solution Concentrations and Solubility

## EXPECTATIONS

The student must:

- Be able to work during class time.
- Be able to respect the teacher and classmates.
- Be able to take notes during class time.
- Be able to wait for his/ her turn to ask and answer questions.

## APPOINTMENTS:

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

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



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