

# SYLLABUS 11TH GRADE CHEMISTRY

## 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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