

Chemistry, Form III

Course Description

This course pursues a quantitative approach to the introduction of chemical concepts. Although descriptive chemistry is also an integral component to understanding these concepts, the development of problem solving skills is emphasized. Students are given the opportunity to develop these skills individually as well as in group settings. Laboratory skills are developed and every attempt is made to provide experiments that reinforce the lecture portion of the course.

Course Goals

- Develop an understanding of chemistry as a dynamic process
- Understand the structure, composition and properties of matter
- Understand atomic structure and how atoms combine to form compounds
- Develop problem solving skills needed to succeed in the quantitative application of chemical concepts
- Develop an appreciation of the wealth of information contained in the periodic table and become skilled at tapping this resource
- Understand the experimental method (observation, data collection, drawing conclusions, reporting results) and its application to problem solving