

# Holliston High School

370 Hollis St. Holliston, Massachusetts 01746

320 Chemistry  
Grades: 9 Semester Block Credits: 1 Level: A/L 3

Prerequisite: A minimum of "C-" in #414-Algebra

## Course Description

This course offers a survey of basic chemistry principles. Major topics include: physical and chemical properties of the elements, atomic structure, chemical bonding, nomenclature, chemical equations, measurements, and chemical quantities (the mole). Where applicable, concepts will be related to the world in which students live.

The laboratory plays a critical role in learning chemistry, since it enables students' first-hand experience with substances and the observation of chemical changes. While working in groups, each student will be evaluated for their individual responsibility, safety performance, verbal, and written communication, demonstration of teamwork, and leadership in the laboratory.

Students will acquire new learning through classroom practice and daily homework assignments. Chemistry topics will be presented through direct instruction, in combination with in-class guided practices. Students should expect one-half hour of textbook reading and homework each night, and may be assigned one or more long-term projects.

This course meets the laboratory science and chemistry requirements for students who are interested in continuing their education at some four-year colleges, junior colleges or technical schools. This course is designed for students who are able to learn new concepts, with assisted instruction.