

# Chemistry I

In this laboratory-based course, students develop skills needed to understand, explain, analyze and communicate about scientific phenomena, matter, and energy. Mathematics is emphasized in this course and through the manipulation of chemical quantities and formulas, students learn about laboratory safety and equipment, atoms, bonding, chemical reactions, moles, and gases. Students use technology, including graphing calculators, computer simulations and probe ware, to explore these concepts. This curriculum aligns with the Virginia Chemistry Standards of Learning with a focus on observing, experimenting and modeling.

**High School Credits:** 1

**School Level:** High School

**Grade:** 10, 11, 12

**Co-Requisites:**

Geometry, however Algebra II is strongly recommended.

**Program:** Science Core Courses