

## **Chemistry, Grade 11 – University Preparation**

### **SCH 3U0**

This course focuses on the concepts and theories that form the basis of modern chemistry. We begin by looking at matter, chemical bonding, and trends in the periodic table and investigate physical and chemical properties of elements and compounds. We investigate the quantitative relationships in different types of chemical reactions and solve related word problems. We investigate gas laws that explain the behaviour of gases through experimentation and calculations. A strong math background is highly recommended for success in this course as three of the five units are calculation-based.

**Prerequisite:** Science, Grade 10, Academic (SNC 2D0)