



### **Honors Chemistry Curriculum**

**Course Description:** This course is designed primarily for 10th grade students who do well in math and science. Chemistry is both a quantitative and laboratory science that deals with the interactions of matter and the changes matter undergoes. It is a math intensive science so it is recommended that the student passed Algebra I CP and biology with at least an 85% in both courses.

**Course Expectations:** This course is offered for one semester and students attend class for one block each day. Students will read their textbooks and review their notes independently, as well as complete homework assignments every night. Quizzes and tests are given for each unit. Formal laboratory reports will be written for most experiments conducted. Projects and current event articles will also be assigned.

#### **Units Covered:**

- Matter and Change
- Measurements and Calculations
- Atoms (discovery and the structure)
- Arrangements of Electrons in Atoms
- Periodic Table
- Chemical Bonding and Molecular Drawing
- Nomenclature
- Mole Calculations
- Chemical Equations
- Stoichiometry, Limiting Reactants, and Percent Yield