



## **2018 Honors Chemistry Summer Course Outline**

### **Course Materials**

Students should bring a notebook and pencil. The Learning Center will supply the textbook, laboratory supplies and other supplementary materials. Chromebooks will be used in classes when eBooks or other online materials are needed. The text is Chemistry, Prentice Hall, with teacher "hand-outs" and other supplements.

Every effort will be made to comply with the New Jersey Model Curriculum Program for Chemistry. Please see [www.nj.gov/education/modelcurriculum/sci/chem.shtml](http://www.nj.gov/education/modelcurriculum/sci/chem.shtml).

### **Course Description**

This course is an accelerated and intensive study of a high school Chemistry and is designed to fulfill the credit requirement. Students study the qualities of matter, the behavior of electrons and waves, chemical bonding and reactions, properties of matter, atomic structure, nuclear reactions, periodicity, chemical bonding, stoichiometry, gas laws and more. There will be hands-on lab activities which will comprise about one quarter of the classroom time and will include hands on lab work with written reports. Grades will be based 70% on tests and projects, and 30% on quizzes, classwork and homework.

This course is a six week program, Monday through Friday, four hours each day. The teacher will offer extra help twice a week after class to small groups. The total classroom time is 120 hours, plus any extra time needed.