### Honors Chemistry – SEM 1

**Class website:** on Canvas  
**Teacher email:** <teachermail>@naperville203.org

*Guidelines for Success:* It takes PREPARATION – RESPONSIBILITY – INTEGRITY – DEDICATION and EFFORT.

### Course Description:
Honors Chemistry is an inquiry based course investigating the composition of matter and the changes it undergoes. The course is rigorous in both pace and depth of study. Laboratory work will provide hands-on experiences which reinforce concepts and theories presented in class. It will provide a sound foundation for further coursework within the sciences. Students considering this course should be self-directed learners with strong reading comprehension skills.

### CONTENT UNITS:

**Matter & Measurement:**
- Identify and describe states of matter and learn how to measure accurately.
- Understand the law of conservation of matter.

**Moles and Stoichiometry**
- Convert between moles, grams, particles and liters for chemical substances.
- Interpreting a balanced chemical reaction quantitatively.

**Thermochemistry**
- Understand the difference between heat and temperature.
- Describe heat transfer in phase changes and chemical reactions.

**Atomic Structure**
- Describe the structure of the atom.

### GRADING:
Your coursework grade will be based upon the following:
- Chapter Tests (50%)
- Labs (25%)
- Quizzes (20%)
- Homework (5%)

Your semester grade will be determined by:
- Coursework (85%)
- Semester Final (15%)

### INFINITE CAMPUS:
Grades will be updated on a weekly basis. Please check to make sure your grades are accurate.

### TO BE SUCCESSFUL IN THIS CLASS:

**Inside classroom:**
1. **BE ENGAGED**—take notes. Participate in labs and group problem solving. Share what you are thinking.
2. **ASK QUESTIONS**—if there is something you don’t understand or need clarified—ASK right then. Questions are welcomed and help you understand!
3. **STAY ORGANIZED**—there are a LOT of handouts and labs in this class. **Have a binder** where you have sections for labs, worksheets, and notes.

**Outside of classroom:**
1. **READ THE ASSIGNMENTS**—**Take Notes** as you read — make an outline of the section.
2. **DO THE HOMEWORK**—you **must practice** outside of class to reinforce understanding—**DAILY**! This is the only way to stay on top of the material.
3. **PREPARE FOR TESTS & QUIZZES**—**Create a study guide** for the chapter. It will help you review the material and focus on what you will be assessed on.
4. **COLLABORATE WITH OTHERS**—find some others in the class to study with in the morning, during lunch or after school. When you teach others, there is a deeper understanding of the material that happens.

### HELP!
Do you need extra help for this course? What can you do?
1. Come find your teacher in the morning, during lunch, or after school (talk with them to arrange a time beforehand).
2. Get a tutor in the Lit Center—You can drop in one time, or you can set up a weekly visit.
3. After school tutoring is available after school on Mondays –Thursday up in the Learning Commons. This is place to do your homework and study and seek out help in all subject areas (a teacher from each subject is present).
4. Math and Science Support is available in room 268 M, Tu, Th, and F mornings.

### RETAKE POLICY:
1. You may chose to take the **Reassessment Test** to replace one previous unit test scores <80%.
2. Retakes are only for those who have earned under an 80% on any unit test. The highest one can earn on a retake is an 80%.
3. You must have **at least 80% of your homework completed** in order to earn the right to a retake.
4. The Reassessment Test will be held on one particular day before and after school.
5. The better score between the original and the Reassessment Test will be scored.

**COMMUNICATION POLICY:**
My email is <teachermail>@naperville203.org. Please email me if you miss class.