Honors Chemistry – SEM 1

Class website: on Canvas  Teacher email: Katharine.lynch@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.

Atomic Structure and Periodic Table
- Describe the structure of the atom.
- Understand the organization of the periodic table and the periodic trends.

Elements and Stars
- Understand how the universe is made up of matter
- Identify nuclear reactions

GRADING:
Your coursework grade will be based upon the following:

- Chapter Tests (50%)
- Quizzes (20%)
- Labs (25%)
- Homework (5%)

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

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. Supervised Open Study (SOS) is available after school on Mondays –Thursday up in the lit center. This is place to do your homework and study and seek out help in all subject areas (a teacher from each subject is present).

RETAKE POLICY:
There will be NO retakes given in this course on any assignment, quiz, lab or test.

COMMUNICATION POLICY:
My email is katharine.lynch@naperville203.org. Please email me if you miss class.

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