**General Chemistry Course Content (2017-2018)**

Mrs. Vanderlinden (Mrs. V.)

Email: lvanderl@isd271.org (**Classroom Moodle)** Additional textbook support via **Glencoe.com (electronic textbook is accessed by Moodle link)**

*Please note: I encourage you to also sign out a textbook to have at home. However, if you do not plan to use it, do not sign it out, as unused textbooks are often misplaced.*

Phone: 952-681-5000 or voicemail: 952-681-5158

Room: C307 Office Hours: By Appointment from 2:37 pm – 3:00 pm (let me know if you need a morning appointment instead)

**Course Content:** This course will reflect a partial inquiry-based approach to learning chemistry. The students will investigate and explore concepts in class through lab activities, the use of technology, research projects, and small group discussions. By experiencing these activities, the students will continue developing the content knowledge, lab protocols, and safety procedures necessary to be successful throughout high school. This course is recommended for college bound students.

**Essential Outcomes:**

By the completion of this course, student will be able to:

1. Explain the political, societal, economic and environmental impact of chemical products and technologies.
2. Explain the relationship of an element’s position on the periodic table to its atomic number and electron configuration
3. Use International Union of Pure and Applied Chemistry nomenclature to write chemical formulas and name molecular and ionic compounds, including those that contain polyatomic ions.
4. Use the law of conservation of mass to describe and calculate relationships in a chemical reaction, including molarity, mole/mass relationships, mass/volume relations, limiting reactants and percent yield.

**Materials:**

* *Chemistry* textbook (Available on your chromebook) Please bring your chromebook each day.
* ***Scientific Calculator*** (a graphing calculator is not necessary)- please let me know by the end of the 1st week if you do not have access to a calculator
* 3- ring binder for notes and handouts
* A couple Pens or Pencils (EVERYDAY)
* **$15.00 lab donation** (see handout)

**Evaluation:**

1. Unit tests, final exam, formal lab report(s) and many quizzes will be 80% of your total grade.
2. Worksheets, informal reports, and some quizzes will be 20% of your total grade

**Make up work:**

1. Verified Absence: Due 2 days after you return. (Unless absent for 2+ days)
2. Absent for a Test: You will take this the day you return. (Unless absent for 2+ days) Makeup Lab: You must make up the lab before or after school within 4 days.
3. Retakes – These are available for tests with a great deal of extra required practice. I strongly recommend that you study and prepare the first time because often students who do not study during the unit find it very difficult to keep up with the next unit. Also retakes are not the same test and are more challenging.

**Late Work:**

I expect you to turn your work in on time. Points will be subtracted for work turned in after the due date. Work will be worth 50% after the Unit Test has been taken, until the next unit- no points will be given after that unless there are special circumstances.

**Grading:**

A = 94% A- = 90% B+ = 87% B = 84%

B- = 80% C+ = 77% C = 74% C- = 70%

D+ = 67% D = 64% D- = 60% F = below 60%

**CLASSROOM PROCEDURES:**

1. **Beginning of Class:** Please be on time! (Tardy students will not be allowed to enter class without a pass.) Sit in your assigned seat and quickly complete the beginning of class activity on the smart board or have your binder ready to go for notes and review discussion or homework stamp.

2. **During Class:** Work on activities and assignments during class work time. Participate and use your time wisely! Listen carefully to notes and practice problems.

3. **Leaving Class:** If you need to leave class, asks the teacher at an appropriate time. No one will be allowed to leave the classroom in the first and last 15 minutes of class.

4. **End of Class:** Clean up your materials and throw away garbage. Participate in the wrap up activity. Remain seated until the teacher dismisses you.

**Classroom Expectations:**

1. **Follow ALL school policies and expectations that are covered in the student handbook.** Specifically: no electronic devices and no headwear/jacket**.**

2. **Students are expected to be respectful of all class members and staff.**

**Agreement: (Use the half page given out, so that you can turn it in.) Keep this handout intact.**

By signing this form, you agree that you have read though the course syllabus for General Chemistry and understand the school’s attendance, behavior, and academic policies written in the student handbook. **Student**: You also agree to follow all of Mrs. Vanderlinden’s class expectations. **Parent/Guardian**: You agree to help your student follow these expectations.

 **Student Name (Print)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Guardian Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian Daytime Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**