Chemistry

Mrs. Kreft- **Office:** 223J **Classroom:** 206K
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Overview

General chemistry covers atomic structure, the periodic table, chemical names and formulas, chemical properties and reactions, acids and bases, electrochemistry, and organic chemistry.

This course is designed as project-based learning and will incorporate real-world applications of chemical science. This will include online lectures and assignments, discussions, investigative labs, and various applied activities.

Chemistry is a challenging course. Maturity and responsibility in planning study time and collaboration with your peers are keys to success.

We will move through the material VERY fast. DON'T GET BEHIND!

Textbook *Modern Chemistry (*Sarquis & Sarquis*)*

Classroom Techniques

Students will take charge of their own learning in this course. Time in class will be devoted to learning new material, working together on practice problems and completing homework assignments. Expect to put in 15-30 minutes ***out of class*** each day. You will get out of this class what you choose to put into it.

Main Objectives and Topic covered:

1. Matter, the atom, and solutions
2. Bonding – Ionic and Covalent
3. Chemical Reactions and Stoichiometry
4. Gas Laws and States of Matter
5. Thermochemistry
6. Electrochemistry
7. Oxidation/Reduction Reactions
8. Acids and Bases
9. Organic Chemistry

Course Expectations

1. Come prepared to class ON TIME everyday with required materials (including **CALCULATOR**, assignments and questions ready, and with a **great attitude**.
2. Respect others, the equipment and yourself.
3. Clean up after yourself!
4. No perfumes or lotions in the classroom.
5. Follow all WFHS rules.

Absences

Absences are a fact of life, but we move fast. Try to make up work ahead of any absence if possible. It is ***your responsibility to make up what you have missed ASAP***. At the pace we will be going, getting behind is NOT an option, so keep on top of things. The **district attendance policy will be followed**.

Course Resources

1. **Schoology:** All of my notes (PowerPoints) can be found on my Schoology site.
2. **Textbook:** Mentioned above.
3. **OneNote.** This is the program we will use to collaborate on project labs.

Course Grading

I will only give credit for **work shown** with **correct units** on answers. **LATE WORK IS *NOT* ACCEPTED**. Online grades are updated frequently. Please check to make sure that no mistakes have been made. You are expected to be an active participant in this class. **There are never any dumb questions or answers. All I ask is that you always try to do your best**.

Assignments/Quizzes/Labs: (30%)- Considered **intentional practice** for the exams, but VERY important for you to make sure you know what you are doing. **Late work will NOT be accepted**. If you forget to do an assignment, commit to doing better next time.
All labs performed will include **a lab technique** and **participation grade**.
Quizzes: Generally worth 10-15 points.

Assessments (70%): Exams: If absent the day of an exam be prepared to take it the day you return. If you are gone only the day before the exam you will still take the exam on the day you return. Test corrections will be offered per unit and must be completed within 7 days of the exam being returned. All labs performed will include a lab technique and participation grade.

Project Labs: Group labs considered a formative assessment. Collaborative work will be completed by groups and presented either as a formal lab report or a presentation to community experts.

Grade scale is one used by WFHS and is found in the student handbook

A	90-100%	B	80-89%	C	70-79%	D	60-69%	F	below 60%