

Chemistry

Instructor: Mrs. McDevitt
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Office Hours: (General) Rm C103
MTWRF- 7:30-8:15
After school and lunch by appointment

Course Description

Chemistry is a study of the composition of matter, and the changes that matter undergoes utilizing scientific concepts and mathematics. Some of the concepts emphasized in this course are atomic theory, atomic structure, periodicity, radioactivity, chemical bonding, (principles of) chemical reactions, kinetic theory, energy, solubility, equilibrium, and acid-base properties. Activities include lectures, class discussions, problem-solving sessions, demonstrations, lab experiments, and projects. Assessment is based on exams, quizzes, lab reports, homework, activities, and projects.

Materials: Textbook: Pearson Chemistry (2012)
Student Supplies: Scientific/graphing calculator, notebook/binder

Content

Semester 1:	Semester 2:
Unit 1 – Introduction to Chemistry	Unit 6 – Reactions and Stoichiometry
Unit 2 – Atomic Structure and Nuclear Chemistry	Unit 7 – States of Matter and the Behavior of Gases
Unit 3 – Electrons and The Periodic Table	Unit 8 – Thermochemistry
Unit 4 – Bonding and Nomenclature	Unit 9 – Solutions, Kinetics and Equilibrium
Unit 5 – Chemical Quantities	Unit 10 – Acids and Bases

Grading Policy

- Your grade is based on the weighted percentage of points in each of the following categories:
 - Summative Performance Assessments (Exams and Formal Labs) (60%)
 - Activities and Projects (20%)
 - Classwork & Homework (Class assignments, Quizzes, Practice) (20%)
- Grade updates will be posted approximately every 2 weeks (usually more often than that) and available for view on our School's web site. Some assignments (such as formal lab reports) may take more time to be graded. Scores of "0" imply a missing assignment (i.e., I have collected the assignment but the student with a grade of zero has not turned in this assignment). I accept missing assignments up until the final day of that unit. A grade of 3/10 on any assignment means that I have received the assignment; yet, there is something that needs to be redone or completed on that assignment by the student. The student may come in during my office hours, or by appointment, to complete the assignment so that it may be regraded in hopes of earning 100%.
- Grading Scale
 - A: 100-90% B: 89-80% C: 79-70% D: 69-60%

Classwork, Practice and Quizzes/Learning Checks

Much of the work we will do in chemistry will be completed in class. These class assignments will include worksheets, activities, and labs. Sometimes you will need to complete these assignments at home or outside of class time. In addition to the class assignments, **PRACTICE** from the textbook will also be assigned. This practice will be your responsibility to do and correct at home. Answers to these questions can be found in the back of the textbook. I will not be recording these assignments in the gradebook – **BUT THEY ARE VERY IMPORTANT FOR YOUR LEARNING!** We will have periodic **quizzes, or Learning Checks** that check for your understanding of the topics in the practice and classwork.

Calendar: <https://www.wlwy.k12.or.us/Page/15434>

Please go to the above link to view our weekly calendar that describes what we are doing in class, as well as any homework assignments.

Learning Community

The subject matter of this course is both challenging and very rewarding. All emphasis by the teacher and classroom environment will focus on high level learning. Please remember our districts vision theme: **How do we create learning communities for the greatest thinkers and most thoughtful people... for the world?** If we focus on this goal and embrace the classroom as a learning community, the greatest growth as learners will be achieved.

Teacher Expectations

You can expect me to provide: Well-organized class activities which are meaningful and worth doing along with help and assistance in your studies in an appropriate manner. I may not always do what you prefer, but you can expect me to be honest and fair, and to treat you and your ideas respectfully.

Student Expectations

Effort	You will not automatically succeed at everything you try <i>the first time</i> you try it.
Extra Help	You are encouraged to seek help from your teacher. If you prefer the help of a peer, our Academic Center will sometimes have an honor society student who can help in chemistry.
Attendance	Poor attendance will reflect negatively on your performance. Unexcused absences will result in no credit for activities completed that day.
Be On Time	This is a matter of respect and consideration for the other people in our classroom.
Make-up Work	It is your responsibility to promptly check on missed work. Check with me promptly about missed labs and activities .
Homework	All assigned work is expected to be in on the due date. See me before the due date if there is a problem. Work turned in late may receive partial credit.
Safety	I'm very serious about safety in the chemistry lab. I will teach you the techniques for safe use of the chemistry lab, and expect you to follow them without exception . Failure to adhere to lab safety will lead to dismissal from the lab.
Attitude	Students must show a positive attitude of respect and support toward all other people.
Cooperation	Sometimes, we will work together in cooperative groups of 2-4 people. I expect that you will be an enthusiastic, hard-working, and dependable member of your group.
Food and Drinks	There will be no food and drink in the lab.
Communication	Remember to communicate with me if and when you feel clueless.
Copying/Cheating	All class activities and classwork are structured to help you understand the material being presented, and to gauge your understanding of various concepts. It is important that you do your own work. Copying and cheating may result in zero credit for both the lender and the copier. <i>Do your own work – HOW ELSE CAN YOU LEARN?</i>
Cell Phones and Electronic Devices	Refrain from cell phone and electronic device use in class. Inappropriate use will result in confiscation until the end of the day. We will develop a cell phone policy as a class if inappropriate use becomes too much of a distraction.

Laboratory Safety:

I will ALWAYS:

Wear Safety Glasses When Instructed
Wear Protective Clothing When Instructed
Use Proper Technique and Procedures
Discard of Waste Properly
Know the Location and Proper Use of Safety Equipment
Be Alert, Serious, and Responsible

I will NEVER:

Eat or Drink in the Lab
Clutter the Work Area
Perform Unauthorized Experiments
Enter the Chemical Storage Areas
Remove Stock Chemicals from the Supply Area
Take Unnecessary Risk