

College Preparatory Chemistry Course Outline

Mr. Reutter – Room 024

College Preparatory chemistry is taught around the concept that the characteristics of a material are direct results of its atomic structure. The semester begins with emphasis on a problem solving with much of the class material being fundamental information such as basic laboratory methods, measurements, conversion, and significant digits. As the course progresses, students will utilize new skills in more structured laboratory exercises. These include the following: acid-base reactions, thermo-chemistry, and reactions the student's chance for success. Units in this course include the following:

- Measurements and conversion
- Intensive and extensive qualities
- Thermo-chemistry
- Atomic structure
- The periodic table
- Ionic compounds
- Covalent compounds
- Organic chemistry
- The mole
- Chemical equations and stoichiometry
- Gas laws
- Acids, bases, and salts
- Nuclear chemistry

Grading: The grade for this class is composed of two parts. The first part is made up of class-work (quizzes, lab reports, homework). It is determined by dividing the total number of points accrued by the total number of points possible, then multiplying this value by 100. This mark will be 80% of the overall final mark. The remaining twenty percent will be your mark for the final exam.

You will have the option of redoing lab reports and quizzes if you feel you could do better. The original grade and the new grade are averaged together for your final mark. Homework is not redoable

Homework: Expect homework every night. Assignments can include worksheets, textbook questions, reading assignments, and lab writing. I will check homework for completion each Friday. You will get a mark out of 5 each week, one for each day complete.

Classroom Procedures

Classroom procedures are methods for getting things done in the classroom. We will have several of these operating in our room. Our procedures will be learned in three steps. First I explain and model them. Then you will practice them. Lastly, I will occasionally reinforce the procedures so that they become automatic.

Here they are:

1. Entering the room: Go to your seat. Take out the materials you need and begin working on bell work.
2. When you are tardy: Same as above.
3. End of period dismissal: I will dismiss you when I am ready to. Until that time please remain in your seats.
4. Checking out classroom materials: I will run it like a library. You need to sign out the item(s), and it (they) will be on loan for one week.
5. When you are absent: I will give you the missing work and will give you an extra day to get it in for every day missed.
6. Working cooperatively: I will assign groups and change groups when I feel it is appropriate. If you feel you need to get out of a group let me know. I will consider your petition. I have the final say in the matter.
7. Notebook setup: A title page for each unit will be made. Every day work is done needs to have a respective date.
8. Daily class agenda: It will be posted on the board. I will add any explanatory notes as needed.
9. Passing in papers: Please pass all papers to your left. When all of the papers have been passed over, I will collect them.
10. Returning student work: I will generally give back student work while you are doing bell work.
11. If you finish early: You may work on any late assignments, extra credit assignments, read a book, or draw a picture.
12. When visitors are in the classroom: Classroom behavior is expected to remain the same when I am gone or a guest speaker comes to talk.
13. If you feel suddenly ill: Please let me know if you are having a difficult day before class starts. You will be immediately excused when necessary. Please return only if you feel better.
14. Exercise the Golden Rule.