

S.H.S. Chemistry Syllabus

Teacher: Mr.Vasquez

Rm. 154

Tutoring: Tuesdays 4:00-5:30 p.m. or by appointment

Office hours: 1st block 8:00-9:30 a.m.

Welcome to Chemistry. This is an introduction to all the basics of chemistry you need to further your knowledge of the world around you. You probably know some chemistry already. By the time you finish this course, you will be able to figure out if a reaction will work, what will happen, and how much substance will be made. There's so much to learn! I hope you enjoy it.

Materials needed:

1 folder for assignments

Composition notebook for notes and reference materials

Scientific calculator

Black or blue ink pens

Pencils

Loose leaf paper

Classroom expectations:

1. Be prepared with your materials daily.
2. Be prompt. There is stuff to do before the bell rings & you don't want to be tardy. The door will close when the bell rings. It will be locked and you will need to walk to the 400 building to get a tardy slip.
3. During lecture and while working on assignments phones will not be allowed to be on your person. Leave them in your backpack unless you are specifically asked by me to take them out for a class activity.
4. There are only 2 passes & are color coded for this building. If you need to leave the science building you will be given an additional pass stating where and what you need to tend to.
5. If you are absent, it is your responsibility to notify me of the reason for your absence. If you have an excused absence, you have the next day to turn in your work.
6. No eating in class. Bottled water is allowed.
7. Pick up after yourself. Keep your area clean whether it be at your desk or lab station.

1st semester topics start with the development of atomic theory, the periodic table, basic calculations in chemistry through naming and writing formulas. Formula writing is followed by electron configuration, ionic bonding, molecular bonding, calculating molar mass, percent composition, empirical/molecular formulas and ends with the mole concept.

2nd semester topics start with translating word equations and balancing chemical equations which leads to identifying chemical reaction types to predicting products. The last 6 weeks take us through stoichiometry, gas laws, thermochemistry, with solution chemistry to wrap up the end of second semester.

Grade distribution:

Minor grades make up 40% of your semester grade which include daily assignments, in class work, homework, quizzes.

Major grades make up 60% of your grade which include tests, & lab reports.

Major & minor grades make up 80% of your overall grade and 20% come from your semester exam. Semester exams are comprehensive (covering all topics within the semester).

About chemistry class:

We always have something to do. If you are gone for a day, you missed out on something. Chemistry topics build on each other. A day missed could cause you to fall behind. Don't hesitate to ask questions. If you have questions, i will make myself available any day except Fridays afterschool. You can communicate through remind if you need help in any way.

I look forward to a great year with you in Chemistry!