

Spring 2022

Mrs. Rutland- Room 314
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Chemistry 1 CP- TL Hanna High School

Learning Goals



Provide an environment in which students are able to use the processes and skills of scientific inquiry to develop their understanding of science content.



Foster an appreciation of chemistry in real-world settings and instill an interest in science as a whole.



Develop problem solvers and critical thinkers.



Prepare students for college, careers, and future science courses.

Materials



Pencils



Scientific Calculator
(TI 30X-IIS recommended)

Notebook paper



Folder or Binder for Handouts

Your Chromebook should be charged and in class daily.

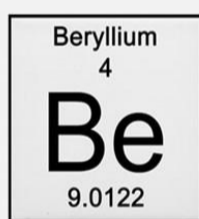


Course Description

This course is designed to provide students with a functional knowledge and understanding of general chemistry. Students will acquire a fundamental knowledge of the substances in our world-their composition, properties, and interactions. The lab experiences in this course will provide students with opportunities to collaborate with their peers, analyze data, solve problems, and draw conclusions.

Prerequisites - Biology 1 CP and Algebra 1 CP (C or higher in both).

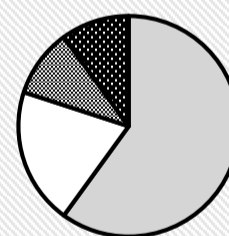
Rules & Expectations



- ✓ Respectful
- ✓ Responsible
- ✓ Ready to Learn

Grades

Course Grade Breakdown:



- Major 60%
- Minor 20%
- Classwork 10 %
- Exam 10%

Grades are EARNED not given.

EXAM

A **cumulative** exam will be given at the end of each 9-week period that will count 10% of your 9-week average. Students CANNOT exempt the final exam.

Consequences for Inappropriate Behavior

If inappropriate behavior is noted (disruption of class, defiance, not bringing required materials, or disrespect towards the teacher or classmates) the following steps will be followed:

- 1: verbal warning
- 2: parent contact (email and/or phone call)
- 3: teacher assigned detention for 15 minutes and parent phone call
- 4: administrative referral

Note: Severe inappropriate behavior can result in an immediate move to step 4.

Cell Phones, Chromebooks, and Smart Watches

Students should not be on their cell phones during class. Students are not allowed to wear smart watches during assessments. The school's protocol for cell phone violations will be followed. Students are allowed on their Chromebooks for class activities ONLY.



chromebook

Daily Assignments



EXPECT QUIZZES on a regular basis. They will incorporate concepts from readings, worksheets, and activities.



Show all work & **GIVE BEST EFFORT.**



Classwork will be assigned daily.



Assignments not completed in class **WILL** become homework.

Be on Time!



If you are tardy to class, the following procedures will be followed:

- 1st & 2nd tardy = warning from teacher and parent phone call
- 3rd tardy = teacher assigned detention
- Each additional tardy = referral to administration
- Any tardy over 5 minutes is considered out of area/cutting class

Missed Work

Where do I find missed work?



GOOGLE Classroom

Everything we do is posted to Google Classroom DAILY!

How long do I have to make up work?

You have 5 school days following your absence to make up work. Failure to make up work will result in a grade of zero.

Course Outline

- Introduction to Chemistry
- Atomic Structure
- Electrons & Periodic Trends
- Ionic & Metallic Bonding
- Covalent Bonding
- The Mole
- Stoichiometry
- Gas Laws
- Solutions
- Acids & Bases
- Thermochemistry
- Kinetics & Equilibrium
- Nuclear Chemistry

Late Work Policy

- All work must be turned in by the due date for each assignment.
- Work will be accepted after the due date with 20% penalty.
- No work for any unit will be accepted after the deadline for scheduling a retest for that unit.

Extra-Help

Students should notify me in advance to schedule a time for extra help before or after school. Students are free to contact me through email with any questions they may have outside of class time. However, students should not expect an immediate response from me outside of school hours.

POWER HOUR

Power hour chemistry help is available on Mondays in room 506 from 3:50-4:50. Students can re-take or make up major assignments on Mondays, Wednesdays, and Thursdays in power hour as well. Bus riders will need to sign up by 10:00 AM.

Major Assignments

- Tests will be challenging and will consist of multiple choice questions. They will be given at the end of each unit of study.

Re-take Policy

- Students are allowed to re-take a unit test one time.
- The student must show that he/she has completed all of the daily assignments associated with that unit, as well as any remediation required by the teacher in order to retake a test.
- The highest score will count.
- Students have 5 days from the date that the test grade is entered in PowerSchool to make arrangements for the retake.
- Students may not wait until the end of the grading period to retake multiple major assessments.