

OHHS Science Department

Course Syllabus



Course Name: HONORS CHEMISTRY A
Course Code: SC02HC

Course Description:

This is an introductory course in chemistry designed to meet the needs of college-bound or pre AP Chemistry students. The course includes topics of: Measurement, Atomic Structure, Periodic Trends, Bonding, Intermolecular Forces in Matter, Chemical Reactions, Stoichiometry, Gas Laws, Solutions and Equilibrium.

Prerequisites

Prerequisite / Corequisite: Algebra II

Course Resources

- Textbook: cK-12 [OHHS Honors Chemistry](#), Thayer, 2018.
- Student responsibility:
 - notebook of choice
 - Scientific Calculator Suggested

Course Fees

none

Course Outline/Instructional Units

Honors Chemistry A

1. Math measurement and calculations with the mole
2. Atomic Structure including parts of the atom and changes in the nucleus
3. Atomic Structure and its relationship to the periodic table
4. Bonding and Bond Energy, and enthalpy changes based on bond energy
5. Chemical Nomenclature for simple ionic and binary covalent compounds
6. States of matter and how intermolecular forces result in physical properties

Major Assessments

1. Each unit has daily assignments, labs and quizzes. Together, these make up the “Daily Work” category which is worth 30% of the quarter grade.
2. Each Unit will have an test over the objectives of the unit. At the end of each semester there will be a cumulative test covering the objectives of the entire semester.

Extra Help

Teachers will provide information regarding tutoring in classroom procedures. Students are encouraged to take advantage of tutoring opportunities and assistance will be offered in class. Honors Chemistry teachers are available after school for tutoring.

RE-DO POLICY:

OHHS is an effort based school where we believe all students can learn. We also know that students learn at different rates. Thus, we are implementing a re-do policy that recognizes the needs of individual learners.

- 100% Re-do
 - Unit Assessments may be retaken. Retakes will be completed by the next Unit Test
 - Semester Final Tests have no redo.
- Teachers may:
 - require completion of supporting assignments prior to re-do opportunities for students to show they can meet the standard.
 - require students to complete re-do of work outside of class time.
- All work must be completed by the end of a quarter. Revision of work will not be permitted from one quarter to the next.

Weighted Categories

Set department categories and weighting

Category	Percentage of Overall Grade
Daily Work	30%
Unit and Semester Tests	70%

Grading Scale:

Regular Scale	
Letter Grade	Percentage
A	93% and Above

A -	90%-92.99%
B+	87%-89.99%
B	83%-86.99%
B-	80-82.99%
C+	77%-79.99%
C	73-76.99%
C-	70-72.99%
D+	67%-69.99%
D	60%-66.99%
F	59.99% and Below

OHHS PLAGIARISM POLICY:

Any student, who knowingly turns in any work that has been done by someone other than himself or herself, and fraudulently represents it as his/her own, shall be considered to have cheated. Cheating also includes: aiding someone else in cheating, the use or preparation of written, pictorial, electronic or other materials not authorized by the instructor during a test or assignment, the use of testing materials obtained previous to the test date, or plagiarism of any kind. Students found cheating will also be subject to an office referral, which could result in a suspension. As an effort based school, students who have plagiarized/cheated must still demonstrate their learning. Thus, students will be given the opportunity to complete the work. This will fall under the “Late Work Policy” of the teacher where total possible points may be reduced.