



AP Chemistry

Insert Teacher Name

Insert Room Number

Insert Full Year/Semester

Insert Period

Insert Email Address

COURSE DESCRIPTION

AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore the following topics: matter, structure and arrangement of atoms, forces between atoms and molecules, changes in matter involving electrons, chemical reaction rates, thermodynamics, and bonding.

COURSE OBJECTIVES

Students will understand:

- Scale, Proportion, and Quantity: Quantities in chemistry are expressed at both the macroscopic and atomic scales, and relationships exist both within and between these two scales.
- Structure and Properties: Properties of substances observable at the macroscopic scale emerge from the structures of atoms and molecules and the interactions between them.
- Transformations: Chemistry is about the rearrangement of matter, both macroscopically and sub-microscopically.
- Energy: Energy plays important roles in characterizing and controlling chemical systems.

UNITS OF STUDY

- Atomic Structure
- Chemical Bonding
- Chemical Reactions
- Kinetics
- Thermodynamics
- Equilibrium

COURSE POLICIES AND REQUIREMENTS

GRADING (see [FPS BOE Policy 6154.1AR](#))

o Cumulative/In-Progress Grade:

10% of the grade will be based on formative assessments, homework completion, and/or behavior

90% will be based on summative assessments, of which there will be a minimum of eight for this full-year course; these may include Unit Tests, Mid-Unit Tests, Projects, Performance Tasks, Summative Quizzes, etc.

o End-of-the-Year Grade:

80% of the overall course grade will reflect the student's mastery of course content and skills during the school year through the Cumulative/In-Progress Grade

10% of the End-of-the-Year course grade will be based on the Mid-Year Assessment

10% of the End-of-the-Year course grade will be based on the Final Assessment

o Grade Reporting:

All grades will be communicated through Infinite Campus

Summative assessment results will be reported back to the student within ten school days from the date of submission or the due date

o Guidelines for Late Work:

Late work will be accepted for both summative and formative tasks within a defined timeline agreed upon between the student and the teacher

The total points may be reduced as a penalty for late work

o Reassessments:

- Any extenuating circumstances may be discussed with administration to allow alternative reassessment opportunities with administrative approval.
- Reassessment opportunities are defined as twice per year (with a maximum of one per quarter) for assignments that students met the original required deadlines and do not violate the academic integrity policy. Reassessment does not apply to midyear assessments or final assessments.
- Gradebook impact of Reassessment: original and reassessment scores will be averaged in the gradebook.

MATERIALS:

Course Text: Chemistry A Molecular Approach (Tro)

Insert Course Materials Here (ie. Textbook, Binder, Calculator, Highlighters)

EXPECTATIONS OF STUDENTS:

EXTRA HELP:

Insert Course Expectations Here