



CHEMISTRY

Insert Teacher Name

Insert Room Number

Full Year

Insert Email Address

COURSE DESCRIPTION

Students in high school continue to develop their understanding of physical science, specifically chemistry. The high school performance expectations in Chemistry build on the middle school ideas and skills and allow high school students to explain more in-depth phenomena. There are three disciplinary core ideas in high school chemistry: 1) Structure and Property of Matter 2) Energy 3) Chemical Reactions. These performance expectations blend the core ideas with scientific and engineering practices and crosscutting concepts to support students in developing useable knowledge to explain ideas across the science disciplines. In the chemistry performance expectations at the high school level, there is a focus on several scientific practices. These include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations; students will use these practices to demonstrate understanding of the core ideas. Students are also expected to demonstrate understanding of several engineering practices, including design and evaluation.

COURSE OBJECTIVES

Students will understand that:

- The behavior and properties of matter relate to atomic and molecular structure.
- Chemical interactions can be predicted and explained
- All changes in and interactions of matter are associated with changes in energy.
- Scientific knowledge is a process and not a finished product

UNITS OF STUDY

- Structure and Properties of Matter
- Periodicity and Bonding
- Energy
- Chemical Reactions: Conceptual
- Chemical Reactions: Quantitative

COURSE POLICIES AND REQUIREMENTS

GRADING

Cumulative / In-Progress Grade:

- 90% will reflect the student's mastery of course content and skills on summative assessments
- 10% will reflect the student's progress on formative assessments, homework, and behavior

End-of-the-Year Grade:

- 90% will reflect the student's cumulative course grade through summative and formative assessments as described above
- 10% of the end-of-the-course grade will reflect the student's performance on the course final assessment

MATERIALS:

EXPECTATIONS OF STUDENTS: Insert Course Expectations Here

EXTRA HELP: .

