

CHEMISTRY

Course Description

This course is designed to introduce students to the world of chemistry. The principles of chemistry were first identified, studied, and applied by ancient Egyptians in order to extract metal from ores, make alcoholic beverages, glaze pottery, turn fat into soap, and much more. What began as a quest to build better weapons or create potions capable of ensuring everlasting life has since become the foundation of modern science. Chemistry makes up almost everything you touch, see, and feel, from the shampoo you used this morning to the plastic container that holds your lunch. This course will cover matter and measurement, the atom, bonding, chemical formulas and equations, states of matter, and thermodynamics.

Prerequisite

None

Credit Requirement Area

Science

Learning Objectives

- Students will use their math skills to appropriately solve chemistry problems.
- Students will generalize information from the periodic table.
- Students will explain gas laws and their uses.

Suggested Weekly Schedule

Week	Graded Activities	Suggested Due Date	% Points
1	Assessment: Matter and Measurement	Friday of Week 1	100%
Week 1 Total Percentage Towards Final Grade			16%
2	Assessment: The Atom	Friday of Week 2	100%
Week 2 Total Percentage Towards Final Grade			16%
3	Assessment: Bonding	Friday of Week 3	100%
Week 3 Total Percentage Towards Final Grade			17%
4	Assessment: Chemical Formulas and Equations	Friday of Week 4	100%
Week 4 Total Percentage Towards Final Grade			17%
5	Assessment: States of Matter	Friday of Week 5	100%
Week 5 Total Percentage Towards Final Grade			17%
6	Assessment: Thermochemistry and Thermodynamics	Friday of Week 6	100%
Week 6 Total Percentage Towards Final Grade			17%
WEIGHTED TOTAL			100%