

Fall 2026 Chemistry 6-8 Syllabus | Vern Tutoring

Contact verntutoralex@gmail.com if you have any questions

Day 1: Chemistry Fundamentals

- Ice Breakers
- Introduction to Chemistry
- Real-world applications
- What makes up matter?
- Bohr model of an atom

Day 2: Chem Fund Pt2

- Brief intro to isotopes and ions
- Carbon dating
- Quiz
- Elements and the Periodic Table Intro

Day 3: Periodic Table

- Elements Vs. Compounds
- Chemical Symbols and Formulas
- Understanding the periodic table (Groups, periods, etc.)
- Properties of groups and periods
- Atomic mass and atomic formula

Day 4: Periodic Table Pt. 2

- Quiz on the Periodic Table
- How do compounds form?
- Types of Bonding

Day 5: Physical and Chemical Properties

- States of matter
- Mixtures Vs Pure Substances
- Chemical and Physical Changes + indicators
- Intro to IMFs
- The heating curve

Day 6: Overview

- Quiz on States of Matter, Chem and Phy changes, and Heating Curve
- Day 1, 2, and 3 Overview Kahoot
- Project: Cooking is Chemistry

Day 7: Reaction and Law of Conservation + Energy

- Chemical reactions
- Balancing reactions
- Very brief into to Thermodynamics

Day 8: Review

- Course overview
- Project Presentations on Cooking is Chemistry

