

ShareWorld Learning Center

AP Chemistry Syllabus

Welcome to AP Chemistry Pre-Study! Weekday Tue + Thu 4:00-6:00 / Sunday 3:00-5:00.

Course Description

This course is meant to be a course in AP Chemistry. Class will consist of teaching, classwork, and some homework.

Textbook: *Chemistry: The Central Science* by Brown, LeMay, Bursetn, et al., 12th edition
ISBN-13: 978-0321696724

A physical copy of the textbook will not be required for the summer preview.

Class Schedule: Below is the tentative schedule based on topics. The specific lessons may be adjusted depending on the aptitude of the class.

Day 1	Chapters 1, 2: Matter, Measurement, Atoms, Molecules, and Ions
Day 2	Chapter 3: Stoichiometry
Day 3	Chapter 6, 7: Electron Configuration and Periodic Trends
Day 4	Chapter 2, 8: Naming, Types of Bonds
Day 5	Chapter 4, 8: Lewis structures, Types of Reactions
Day 6	Chapter 9: Molecular Geometry, Bonding Theories
Day 7	Chapter 10: Gases
Day 8	Chapter 11,12: Liquids, Solids, Intermolecular Forces, and Phase Changes
Day 8	Chapter 4, 13: Properties and Calculations for Solutions
Day 9	Chapter 14: Chemical Kinetics
Day 10	Chapter 15: Chemical Equilibrium
Day 11	Chapter 16: Acid/Base Equilibria
Day 12	Chapter 17: Additional Aspects of Aqueous Equilibria
Day 13	Chapter 19: Chemical Thermodynamics
Day 14	Chapter 4, 20: Oxidation Numbers, Redox, and Electrochemistry

2020 AP Chemistry Sessions:

Weekday class Tue + Thu: (NO class on 7/2, 7/7)

6/16-8/6: This session has 14 days, so we will cover all the topics in AP Chemistry, unless there is a need to slow down the class progression.

Sunday class: (No class on 7/5)

6/14-8/9: This session has 8 days, so we will cover about half of the topics in AP Chemistry, unless there is a need to slow down the class progression.