

CBSE Class XI Chemistry – Premium Program

Program Overview

- **Total Chapters:** 9
 - **Classes per Chapter:** 6
 - **Total Classes:** 54
 - **Classes per Week:** 3
 - **Duration per Class:** 1 Hour
 - **Total Duration:** ~18 Weeks (4.5 Months)
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Course Structure (Chapter-wise Plan)

◆ Chapter 1: Some Basic Concepts of Chemistry (6 Classes)

- Mole concept & stoichiometry
 - Laws of chemical combination
 - Numerical problem solving
 - **Practice + Chapter Test**
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◆ Chapter 2: Structure of Atom (6 Classes)

- Atomic models
 - Quantum numbers & orbitals
 - Electronic configuration
 - **Worksheet + Test**
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◆ Chapter 3: Classification of Elements & Periodicity (6 Classes)

- Periodic trends
 - Modern periodic law
 - Application-based questions
 - **Practice + Test**
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◆ Chapter 4: Chemical Bonding & Molecular Structure (6 Classes)

- Ionic & covalent bonding

- VSEPR theory
 - Hybridization & molecular shapes
 - **Advanced problem solving + Test**
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◆ **Chapter 5: Chemical Thermodynamics (6 Classes)**

- Enthalpy & thermochemistry
 - Hess's law
 - Numerical practice
 - **Case-based questions + Test**
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◆ **Chapter 6: Equilibrium (6 Classes)**

- Chemical & ionic equilibrium
 - Le Chatelier's principle
 - pH calculations
 - **High-level numericals + Test**
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◆ **Chapter 7: Redox Reactions (6 Classes)**

- Oxidation number method
 - Balancing equations
 - Applications
 - **Worksheet + Test**
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◆ **Chapter 8: Organic Chemistry – Some Basic Principles (6 Classes)**

- IUPAC nomenclature
 - Isomerism
 - Reaction mechanisms (basics)
 - **Concept drills + Test**
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◆ **Chapter 9: Hydrocarbons (6 Classes)**

- Alkanes, alkenes, alkynes
- Aromatic compounds

- Reaction mechanisms
 - **Mixed practice + Test**
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Weekly Structure (3 Classes per Week)

- **Class 1:** Concept Building
 - **Class 2:** Advanced Concepts + Numericals
 - **Class 3:** Practice + Test / Worksheet Discussion
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Practice & Assessment System

- ✓ Weekly Worksheets
 - ✓ Chapter-wise Tests (after every 6 classes)
 - ✓ Previous Year Questions Integration
 - ✓ Numerical Drill Sheets
 - ✓ Case-based & Competency Questions
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Premium Features

- Small batch (Focused attention)
- Concept clarity + exam strategy
- Regular doubt-solving support
- Performance tracking & feedback
- Parent updates (if required)