

Annual & Weekly Syllabus Split-Up - 2026-27
Class- XI Subject-Chemistry

S.No	Month	No. of Working Days	No. of Days	Topic	Sub Topic	Teaching aid/ Resources	Activity	class room videos LINK	Art Integrated project	Pedagogy Process/Teaching Strategy	Chapterwise Notes link	Assessment	
3	JUNE	20	Week 1	0		General Introduction: Importance and scope of Chemistry.						Solve the equation, MCQ, Assertion & Reason & Class Test	
			Week 2	6	some basic concept of chemistry	Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition,	NCERT, Senses Board, You Tube Videos	To bend the glass tube.			Inquiry-Based Learning: Encourages students to explore chemical phenomena, formulate questions, and conduct experiments to discover concepts,	https://drive.google.com/drive/folders/1d4NdAHnzMa1Ozbc6FRkPm98B0LhGjH0?usp=drive_link	
			Week 3	6		empirical and molecular formula, chemical reactions, stoichiometry and calculations based on	NCERT, Senses Board,	To find the molarity of solution					
			Week 4	6	Structure of atom	Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations,	Senses board, Ncert,	To determine the strength of acid and base by titration .	https://youtu.be/1Sg-TzLxAC8?si=OSATzDJ74mBgYxe				
			Week 5	1		Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship,	Senses board, Ncert		https://youtu.be/gLc4mHqd-aY?si=vZtMvmwg34okSvSD				
4	JULY	27	Week 1	5	Structure of atom	Heisenberg uncertainty principle, concept of orbitals,	Senses board, Ncert					Problem-Based Learning (PBL): Students work in groups to solve real-world chemistry problems (e.g., environmental issues, material science), fostering critical thinking and practical application	
			Week 2	6		quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle,	Senses board, Ncert		https://youtu.be/Oj-vA63nsBI?si=oyaQ0AJNJzj-4LhL				
			Week 3	6	Classification of elements	Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.	Senses board, Ncert						
			Week 4	6		Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.	Senses board, Ncert		https://youtu.be/TOXF8LXEFJw?si=bqAtmgLzMLIXZAF			Inquiry-Based Learning: Encourages students to explore chemical phenomena, formulate questions, and conduct experiments to discover concepts,	
			Week 5	4	Significance of classification, brief history of the development of periodic table, modern periodic Law.	Senses board, Ncert							
	AUGUST		Week 1	2	Chemical bonding and molecular structure	Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure	PRE MID TERM EXAM						
			Week 2	5		the polar character of covalent bond, covalent character of ion	PRE MID TERM EXAM	FSFdY?si=Yb3AsH-Hw5bFDOTg					

