

St. Xavier's School

Syllabus and Lesson Planner



Class	11	Syllabus (2024-5)		
Subject	Chemistry			
Ch. No.	Name of Chapter	Topic	Month	Week
1	Some basic concept of Chemistry	1. Atomic and Molecular mass	April	1
		2. Empirical and Molecular formula	April	1
		3. Mole concept	May	1
		4. Stoichiometry	May	1
2	Structure of Atom	1. Subatomic particle	June	1
		2. Bohr's atomic model	June	1
		3. Quantum mechanical model of atoms	July	1
3	Classification of elements and periodicity in properties	1. Present form of periodic table	July	1
		2. Periodic trends in properties	July	1
4	Chemical bonding and molecular structure	1. Electrovalent bond	July	1
		2. VSEPR theory	Aug.	1
		3. VBT and MOT	Aug.	1
5	Thermodynamics	1. Thermodynamical state and its function	Aug.	1
		2. enthalpy of different type of reaction	Aug.	1
		3. Gibbs energy change and equilibrium	Sep.	1
6	Equilibrium	1. Equilibrium in chemical process	Sep.	1
		2. Laws of chemical equilibrium	Oct.	1
		3. Ionic equilibrium	Oct.	1
7	Redox Reaction	1. Oxidation number and balancing of redx	Oct.	1
8	Organic chemistry - Some basic principle and technique	1. Classification and nomenclature	Nov.	1
		2. Isomerism	Nov.	1
		3. Organic reaction mechanism	Dec.	1
9	Hydrocarbon	1. Alkane	Dec.	1
		2. Alkene and Alkyne	Jan.	1
		3. Aromatic Hydrocarbon	Jan.	1