## St. Xaviers School Syllabus and Lesson Planner



11	Syllabus (2024–5)		
Chemistry			
Name of Chapter	Торіс	Month	Week
1 Some basic concept of Chemistry	1. Atomic and Moecular mass	April	1
		April	1
			1
	4. Stoichiometry	May	1
2 Structure of Atom	1. Subatomic particle	June	1
		June	1
	3. Quantum mechanical model of atoms	July	1
Classification of elements 3 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
Redox Reaction	1. Oxidation number and balancing of redx	Oct.	1
	1. Classification and nomenclature	Neu	1
8 Organic chemistry - Some 8 basic principle and technique			
		Nov.	1
	3. Organic reaction mechanism	Dec.	1
9 Hydrocarbon	1. Alkane	Dec	1
			1
	3. Aromatic Hydrocarbon	Jan.	1
	Chemistry Name of Chapter Some basic concept of Chemistry Structure of Atom Classification of elements and periodicity in properties Chemical bonding and molecular structure Thermodynamics Equilibrium Redox Reaction Organic chemistry - Some basic principle and technique	ChemistrySyllabus (2024–5)Name of ChapterTopicName of Chapter1. Atomic and Moecular massSome basic concept of Chemistry2. Empirical and Molecular formulaSome basic concept of Chemistry1. Subatomic particleStructure of Atom1. Subatomic particleStructure of Atom1. Subatomic particleClassification of elements and periodicity in properties1. Present form of periodic tableChemical bonding and molecular structure1. Electrovalent bondVSEPR theory 3. VBT and MOT1. Thermodynamical state and its function 2. enthalpy of different type of reaction 3. Gibbs energy change and equilibriumLequilibrium1. Equilibrium in chemical process 2. Laws of chemical equilibrium 3. Ionic equilibriumName of chapter1. Classification and nomenclature 2. Isomerism 3. Organic reaction mechanismI. Alkane 2. Alkene and Alkyne1. Alkane	ChemistrySyllabus (2024-5)Name of ChapterTopicMonthSome basic concept of Chemistry1. Atomic and Molecular massApril3. Mole conceptMay4. StoichiometryMayStructure of Atom1. Subatomic particleJune3. Quantum mechanical model of atomsJulyClassification of elements and periodicity in properties1. Present form of periodic table 2. Periodic trends in propertiesJulyChemical bonding and molecular structure1. Electrovalent bond 2. VSEPR theory 3. VBT and MOTJulyThermodynamics1. Thermodynamical state and its function 2. enthalpy of different type of reaction 3. Gibbs energy change and equilibrium 3. Jonic equilibriumAug.Corganic chemistry - Some basic principle and technique1. Classification and nomenclature 3. Organic reaction mechanismNov.1. Alkane 2. Jonganic reaction1. AlkaneDec.2. Alkene and Alkyne3. Alkene and AlkyneJan.