

St. Xavier's School



Syllabus and Lesson Planner

Class	VIII	Syllabus		
Subject	CHEMISTRY			
Ch. No.	Name of Chapter	Topic	Month	Week
1	MATTER	Main postulates of kinetic theory of matter.	MARCH	2
		Comparative study of solid, liquid and gases.		
		Changes in the states of matter		
		Law of conservation of mass.		
2	LANGUAGE OF CHEMISTRY (with reference to the types of chemical reactions)	SYMBOLS	APRIL	4
		FORMULAE		
		CHEMICAL EQUATIONS		
		informations and limitations provided by equations		
3	ELEMENTS COMPOUNDS AND MIXTURE	Chemical changes with reference to the language of		
		Revision of matter taught in earlier class.	MAY	2
		Definition of Elements compounds and mixture with emphasis on the principle of separation.		
		various technique involved in separating of mixtures .		
5	PHYSICAL AND CHEMICAL CHANGE	diagramatic presentation of the apparatus involved in		
		Physical change and its characteristics	JUNE/JULY	3
		Chemical change and its characteristics.		
		Examples of physical and chemical changes.		
6	HYDROGEN	Difference between physical and chemical changes.		
		DIFFERENT types of reactions- decomposition,		
		Structure of hydroge atom and molecule.	AUGUT	3
		Laboratory preparation of hydrogen.		
	1-MATTER 2-PHYSICAL AND CHEMICAL CHANGE 3-ELEMENT COMPOUND AND MIXTURE 4-LANGUAGE OF CHEMISTRY AND 5-HYDROGEN	Industrial preparation of hydrogen.		
		physical and chemical properties and uses.		
		REVISION	SEPTEMBER	2
		FIRST SEMESTER → 09th september to 21nd sept		
6	ATOMIC STRUCTURE	Fundamental subatomic particles with their properties.	SEPT	1
		Nucleus and extra nuclear parts.		
		Atomic number and mass number		
		Atomic structure with reference to the models presented and idea of isotopes.		
7	CHEMICAL REACTIONS	Different types of reactions- decomposition, combination, displacement, double decomposition.	SEPT/OCT	3
		Reactivity series and redox reactions		
		Endothermic and exothermic reactions		
		Classification of oxides		
8	WATER	UNIT TEST III- ATOMIC STRUCTURE AND CHEMICAL REACTIONS		
		Structure of water molecule.	OCT/NOV	3
		Properties of water molecules.		
		Solutions and types of solutions such as saturated, unsaturated and super saturated solutions.		
9	CARBON AND ITS COMPOUNDS	Water of crystallisation along with hydrated an anhydrous substance.		
		Hard an soft water. Advantage and disadvantages of hardness in water. Process of removal of hardness.		
		Structure of carbon atom . Allotropic forms of carbon along with their properties and uses.	NOV/DEC	3
		laboratory preparation and uses of important compounds of carbon.		
		REVISION	DEC/JAN	2
		SECOND SEMESTER / FEB 10th - 22nd feb		