CHEMISTRY CLASS X (CRASH COURSE ICSE)		
SL.NO.	**CHAPTERS**	**TIME PERIOD**
1	**Periodic Properties and variations of Properties - Physical and Chemical.** • Periodic properties and their variations in groups and periods • Periodicity on the basis of atomic number for elements.	**AS PER REQUIREMENT TO COMPLETE IMPORTANT TOPICS**
2	**Chemical Bonding** • Electrovalent bonding. • Covalent Bonding. • Coordinate Bonding	
3	**Study of Acids, Bases and Salts** • Simple definitions, classification and their characteristic properties. • Ions present in mineral acids, alkalis and salts and their solutions; use of litmus and pH paper to test for acidity and alkalinity. • Types of salts: normal salts, acid salt, basic salt, definition and examples. • Action of dilute acids on salts.	
4	**Analytical Chemistry** • Action of Ammonium Hydroxide and Sodium Hydroxide on solution of salts. • Action of alkalis (NaOH, KOH) on certain metals, their oxides and hydroxides.	
5	**Mole Concept and Stoichiometry** • Gay Lussac's Law of Combining Volumes • Vapour Density and its relation to relative molecular mass:	
6	**Electrolysis** • Electrolytes and non-electrolytes. • Substances containing molecules only, ions only, both molecules and ions. • Definition and explanation of electrolysis, electrolyte, electrode, anode, cathode, anion.	

	• An elementary study of the migration of ions, with reference to the factors influencing selective discharge of ions.	
7	**Metallurgy** • Occurrence of metals in nature. • Extraction of Aluminium. • Alloys – composition and uses.	
8	**Study of Compounds** • Hydrogen Chloride • Ammonia • Nitric Acid • Sulphuric Acid	
9	**Organic Chemistry** • Introduction to Organic compounds. • Structure and Isomerism. • Homologous series – characteristics with examples. • Simple nomenclature • Hydrocarbons: alkanes, alkenes, alkynes.	