

# New Era Senior Secondary School Nizampura Vadodara

## Class 10 Chemistry annual lesson plan 2024-2025

MONTH	NO. OF DAYS	CHAPTER	CONTENT
April	21	Chemical Reactions and Equations	Chemical equation. Balanced chemical equation, Implication of a balanced chemical equation, Types of chemical reactions: Combination, Decomposition, Displacement, double displacement, Precipitations.
May	4	Chemical reactions	Neutralization and Redox reactions.
June	17	Acids, Bases, and Salts	Their definition in terms of furnishing of $H^+$ and $OH^-$ ions, General properties, Examples and uses, Concept of pH scale.
July	24	Acids, Bases and Salts	Importance of pH in everyday life, preparation and uses of $NaOH$ $CaOCl_2$ , $NaHCO_3$ , $Na_2CO_3 \cdot 10H_2O$ and $2CaSO_4 \cdot H_2O$
August	25	Metals and Non-Metals	Properties of metals and Non-Metals, reactivity series, Formation and properties of ionic compounds, basic metallurgical processes, corrosion and its prevention
September	22	Metals and Non-Metals	Covalent bonding in carbon compounds, Allotropic forms of carbon, Versatile nature of carbon, Homologous series.
October	19	Carbon and its Compounds	Covalent bond, catenation, hydrocarbons, Difference between saturated hydrocarbons and unsaturated hydrocarbons.
November	12	Carbon and its Compounds	Chemical properties of carbon compounds such as alcohol and ethanoic acid. Functional groups.
December	23		Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehyde, alkanes, carboxylic acids and their derivatives, alkanes, alkenes and alkynes)
January	24	Revision	
February	21	Revision	
March	11	Revision	