

SUBJECT-CHEMISTRY

SERIAL NUMBER	MONTH	NAME OF THE CHAPTER	LEARNING OUTCOMES
1.	APRIL	CHEMICAL REACTIONS AND CHEMICAL EQUATIONS	<ul style="list-style-type: none">• Students will learn and understand to relate chemical change to daily life.• Conversion of word equation to chemical Equation.• Substitution by symbol and formula.• Correlation of law of conservation to balancing reaction.• Comparison of different types of reaction.• Classification as oxidation and reduction.• Application of oxidation in daily life.
2.	MAY/ JUNE	ACIDS, BASES & SALTS	<ul style="list-style-type: none">• Student will learn and understand about various types of acids and their source• Will learn and get an understanding of physical and chemical properties of acids and bases.• About pH scale and importance of pH in everyday life.• Will learn what are salts, their types, formation, properties and uses.
3.	JULY/ AUGUST	METALS AND NONMETALS	<ul style="list-style-type: none">• Students will learn Physical and chemical properties of metals and non-metals• Will get knowledge of metallurgy and various steps used in metallurgy to extract metals.• Will get an understanding of reactivity series that helps to extract metals of different reactivities.• Will learn about ionic bond, how it is formed, electron dot structure.• Will apply the knowledge to learn and understand ionic compounds and their properties.• Will learn how corrosion can be a great economic loss to us and various methods used to prevent it.
4.	SEP/ OCT / NOV	CARBON AND ITS COMPOUNDS	<ul style="list-style-type: none">• Students will learn reasons for large number of carbon compounds that exist in nature.• Versatile nature of carbon (tetra valency and catination property).

		Test Series	<ul style="list-style-type: none"> • Will learn how covalent bond is formed. Will get an understanding of homologous series and its characteristic. • Will learn IUPAC nomenclature of carbon compounds. • Will be able to differentiate between saturated and unsaturated hydrocarbons. • Will get an understanding of chemical properties of carbon compounds and its application. Will learn about soaps and detergents their advantages and disadvantages.
5.	DEC/JAN	MOCK EXAM-1/MOCK EXAM -2	Brushing up the concepts taught in whole session.
6.	FEB/MARCH	BOARD EXAM	