

KOTHARI INTERNATIONAL SCHOOL**ANNUAL ACADEMIC PLAN****SUBJECT: CHEMISTRY SESSION: 2023-24****GRADE: IGCSE X****NAME OF THE TEACHER: Lakshmi Prabha**

MONTH	Topic	Concept	Learning Objectives
March	Chemical Reactions Acids and Bases	Types of reactions The different ways to identify acids and bases	Revision using various examples from past papers Understanding the nature of acids and bases and characteristic reactions
April	Salts	The composition of salts	Understanding the preparation of salts Practical approach to preparation of crystalline salts and crystal growth Properties of salts Uses of salts
MAY	Extraction of Metals	Properties and used of metals and alloys	Hall Heraults process of manufacture of aluminium The students learn the electrolytic process involved and the reactions therein Extraction of Iron and manufacture of steel The students understand the different steps involved and the important reactions in the extraction process The students understand the concept of extraction by performing the experiment of iron extraction from a match stick
JUNE			

SUMMER VACATION			
JULY	Organic Chemistry	Organic Classification Isomerism Hydrocarbons Alcohols , carboxylic acids and Esters	Understanding the classification of organic compounds, alkyl radicals and functional groups Types of isomerism Isomerism Alkanes,Alkenes : Structure ,reactivity and uses Structure of alcohols ,Carboxylic acids and esters; reactions , preparation and uses
AUGUST	Organic Chemistry	Fuels Uses of fuels	Understanding fuels and their extraction through fractional distillation and refining Understanding the fact that low boiling alkanes are more in demand as fuels than high boiling alkanes conversion of higher alkanes to lower alkanes by cracking cracking Polymerisation Air and water and pollution Carbon cycle
SEPTEMBER	Revision	Discussion of past papers	Revision using topic wise questions and mock tests
OCTOBER	CAMBRIDGE OCT-NOV SERIES (IGCSE 10,AS LEVEL & A LEVEL)		
NOVEMBER (21 DAYS)	CAMBRIDGE OCT-NOV SERIES (IGCSE 10,AS LEVEL & A LEVEL)		
DECEMBER	Revision	Past paper questions	Revision for Feb mar series Discussion of past paper questions

JANUARY MOCK TEST FEB-MARCH SERIES	Revision	Mock Tests	Revision and mock tests, analysis and discussion
FEBRUARY	(IGCSE 10,AS LEVEL &A LEVEL	Board exams	IGCSE 10 Board Exams