



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: Chemistry Term: 1st Name of the Subject Co-ordinator: Mr. Arnab Paul Chowdhury Name of the Book: Concise Chemistry (C.CHEM)
No. of Working Days: 103 No. of Periods Available: 21 Class: X Sections: A, B & C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	9	Ch-1: Periodic table, periodic properties, and variation of properties (Page No.: 1-20) Ch-2: Chemical Bonding (Page No.: 21-36)	Periodic properties and their variation in the periodic table. Periodicity on the basis of atomic number for the elements Electrovalent, covalent, and Dative bonding	Concepts related to all the subtopics will be discussed and different types of numerical will be solved from intext questions and exercise. Ch-1: P.No.-10,11,15,16,18,19,20 Ch-2: P.No.-25,26,32,35,36	Demonstration from Periodic table Simulated videos on formation of electrovalent and covalent bond and model making
May	6	Ch-3: Acids, Bases, and salts (Page No.: 37-62) Ch-4: Analytical Chemistry (Page No.: 63-68)	Definition, classification, and characteristics Action of ammonium hydroxide and sodium hydroxide on solution of salts Action of alkalis on certain metals and their oxides and hydroxides	Intext questions and problems from exercise. Ch-3: P.No.-42,47,48,55,56,57,61,62 Ch-4: P.No.- 68	Laboratory demonstration for calculating pH and identification of different acidic and basic
June	6	Ch-5: Mole concept and stoichiometry (Page No.: 69-100) UT-1 begins from 23rd June	Gay-Lussac's law of combining volumes, Atomicity, vapor density Syllabus for UT-1: Ch- 1 & 2	Intext questions and problems from exercise. Ch-5: P.No.- 75,76,83,84,85,90,91,94-100	Demonstration using audio visual aid
Unit Test – 1 begins from 23rd June. Syllabus for Unit Test – 1: Ch – 1: Periodic Table, Periodic properties & variation of properties (Pg no. 1 to 20) and Ch – 2: Chemical Bonding (Pg no. 21 to 36)					

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1. *Arnab Paul Chowdhury* *Soumak Chatterjee*

Submitted on: 21.4.25

Academic coordinator: *R. Banerjee*

PRINCIPAL

VICE PRINCIPAL



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: Chemistry
No. of Working Days: 103

Term: 1st

No. of Periods Available: 26

Name of the Subject Co-ordinator: Mr. Arnab Paul Chowdhury

Class: X

Name of the Book: Concise Chemistry (C.CHEM)
Sections: A, B & C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
July	12	Ch-5: Mole concept and stoichiometry. (Page No.: 69-100)(To be continued) Ch-6: Electrolysis (Page No.: 101-119) Ch-7: Metallurgy (Page No.: 120-140)	Mole concept, simple calculations based on chemical equations Concept of Electrolysis, application of electrolysis Occurrence of metals, stages of extraction, extraction of Aluminium and Alloys	Intext questions and problems from exercise. Ch-5: P.No.- 75,76,83,84,85,90,91,94-100 Ch-6: P.No.- 107,113,117-119 Ch-7: P.No.-123,124,129,132,133,139,140	Simulation of Electrolysis process in the classroom. Videos on industrial metallurgical processes.
Aug	10	Ch-8: Study of compounds (A. Hydrogen Chloride) (Page No.: 141-150) Ch-9: Study of compounds (B. Ammonia) (Page No.: 151-163), Revision	Preparation, physical and chemical properties of Hydrogen chloride Preparation, physical and chemical properties of Ammonia	Intext questions and problems from exercise. Ch-8: P.No.- 147-150 Ch-9: P.No.- 155,160-163	Laboratory demonstration of preparation, chemical properties of Hydrogen chloride and Ammonia
Sept 1 st Term Exam begins on 15 th Sept	4	Ch-10: C. Nitric acid (Page No.: 164-172) Revision	Preparation, physical and chemical properties of Nitric acid Ch- 1 to 8	Intext questions and problems from exercise. Ch-10: P.No.- 168,169,170-172 Concepts related to all the subtopics will be discussed and different types of numerical will be solved.	Revision of all 8 chapters using a quick recapitulation by demonstrating a video

Syllabus for 1st term examination – Ch-1: Periodic table, periodic properties, and variation of properties, Ch-2: Chemical Bonding, Ch-3: Acids, Bases, and salts, Ch-4: analytical Chemistry, Ch-5: Mole concept and stoichiometry, Ch-6: Electrolysis, Ch-7: Metallurgy, Ch-8: Study of compounds (A. Hydrogen Chloride and B. Ammonia)

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1.

Arnab Paul Chowdhury Soumak Chatterjee,

Submitted on: 21.4.25

Academic coordinator: R. Banerjee

VICE PRINCIPAL

R. Banerjee

PRINCIPAL

[Signature]



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: Chemistry

Term: 2nd

Name of the Subject Co-ordinator: Mr. Arnab Paul Chowdhury Name of the Book: Concise Chemistry (C.CHEM)

No. of Working Days: 50

No. of Periods Available: 19

Class: X

Sections: A, B & C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
Oct 2 nd term begins from 7 th Oct	7	Ch-11: D. Sulphuric acid (Page No.: 173-181) Ch-12: Organic Chemistry (A. Organic compounds) (B. Alkanes) (Page No.: 183-203)	Preparation, physical and chemical properties of Sulphuric acid Introduction, isomerism, homologous series, nomenclature Preparation, properties of methane and ethane	Intext questions and problems from exercise. Ch-11: P.No.- 175,179-181	Laboratory demonstration of preparation, chemical properties of Sulphuric acid 3D Models and audio-visual demonstration on Organic chemistry
*** Last date of submission of CHEMISTRY Lab Notebook is 30.10.25 ***					
Nov	10	Ch-12: A. Organic compounds B. Hydrocarbons: Alkanes (To be continued) C. Alkenes, D. Alkynes E. Alcohols F. Carboxylic acid (Page No.: 204-219) Ch-13: Practical work (Page No.: 216-219) Revision UT-1 begins from 17 th November	Introduction, isomerism, homologous series, nomenclature Preparation, properties and uses of methane and ethane Introduction, isomerism, homologous series, nomenclature Preparation, properties, and uses of ethene and ethyne Introduction, isomerism, homologous series, nomenclature Preparation, properties and uses of Ethanol and Acetic acid Internal assessment of Practical work Syllabus for UT-2: Ch- 10C & 11D	Intext questions and problems from exercise. Ch-12: P.No.- 187,190,196-198,203,207,211,215,217-219 Ch- 13: P.No.- 224,228-231	3D model making, Videos on the preparation and chemical properties of organic compounds
Unit Test – 2 begins from 17 th November. Syllabus for Unit Test – 2: Ch – 10C: Nitric Acid (Pg no. 164 to 172), Ch-11D: Sulphuric Acid (Pg no. 173 to 181)					
Dec Rehearsal test for ICSE begins on 8 th Dec	2	Ch-13: Practical work (Page No.: 216-219)...Continuation	Important reactions and experimental observations	Previous year's board's papers will be solved	
Syllabus for Rehearsal Test – Ch-1: Periodic table, periodic properties, and variation of properties, Ch-2: Chemical Bonding, Ch-3: Acids, Bases, and salts, Ch-4: analytical Chemistry, Ch-5: Mole concept and stoichiometry, Ch-6: Electrolysis, Ch-7: Metallurgy, Ch-8: Study of compounds A. Hydrogen Chloride, Ch-9: Ammonia, Ch-10: Nitric acid, Ch-11: Sulphuric acid, Ch-12: Organic Chemistry, Ch-13: Practical work					

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1.

Arnab Paul Chowdhury

2. Soumik Chatterjee

Submitted on: 21.4.25

Academic coordinator: K. Banerjee

VICE PRINCIPAL

R. H. S.

PRINCIPAL