



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution
27, BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019



Mr. ARNAB PAUL CHOWDHURY,
Mr. SUBHAJIT BHATTACHARYA,
Ms. NANDINI CHATTERJEE

Syllabus planning for the academic year 2018

No. of working days:-61

TERM: 1st Term

Subject: CHEMISTRY

No. of periods available: 19 (ESTIMATED)

TEACHER'S NAME:

CLASS: 9

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	07	Ch. 4 - Mole Concept	Atomic mass, molecular mass, amu, fractional atomic mass, mole concept, molar volume, concept of N.T.P. (or S.T.P.), Avogadro number, Relationship between mole, Avogadro's number, mass and volume	Numerical related to mole concept, question-answer discussion	Classroom discussion on the mentioned topics, discussion on isoelectronic species, numerical related to mole concept, conceptual question-answer discussion NOTE: Instruction for model answer pattern will be explained to the students regarding MCQ, VSAQ, SAQ and LAQ type questions
FEBRUARY	08	Ch. 4 - Mole Concept (contd...) Ch. 3 - Structure of atom	Conceptual question-answer regarding mole concept. Basic concept about electron, proton and neutron, Bohr-Rutherford model, Bohr-Bury scheme, electronic configuration of elements, schematic diagrams of electronic distribution in an atom (first 20 elements) Isotone, isobar and isotope, concept of Nuclide	Selective Problems on mole concept, schematic diagrams of electronic distribution in an atom (first 20 elements)	Classroom discussion on the mentioned topics, conceptual question-answer discussion and surprise test on Mole concept and structure of atom
MARCH	04	Revision lessons on Ch. 4 - Mole Concept Ch. 3 - Structure of atom	conceptual question-answer discussion and numerical of Ch. 3 and 4	Numerical Problems	Numerical and revision of Ch. 3 and 4 & Surprise test based on Ch. 3 & 4
APRIL					Classroom discussion on the mentioned topics, conceptual question-answer discussion NOTE: 16th April- 1st Term (Syllabus: Ch.3,4)

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

PRINCIPAL

Submitted on : 25.01.2018

Signature of Teacher : Arnab Paul Chowdhury, Subhajit Bhattacharya, Nandini Chatterjee

ACADEMIC CO-ORDINATOR

Signature: Arnab Paul Chowdhury
Date: 25/1/18
St. Lawrence High School

VICE PRINCIPAL

Signature: Arnab Paul Chowdhury



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Mr. ARNAB PAUL CHOWDHURY &
Mr. SUBHAJIT BHATTACHARYA,
Ms. NANDINI CHATTERJEE

TERM: 2nd Term (Contd.)

Subject: CHEMISTRY

CLASS: 9

TEACHER'S NAME:

SECTION: A.B.C.D

Syllabus planning for the academic year 2018

No. of working days: 50

No. of periods available: 29

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	04	Ch. 7- Acids, bases and salts	Definition, properties, types, pH scale and its application, industrial use of NaOH, HCl, H ₂ SO ₄ and HNO ₃ , chemical properties of acids and bases, neutralisation reaction,	conceptual question-answer from exercise and miscellaneous question-answer NOTE: Project work (Method-Nature Study) assignment for physical science will be given for summer vacation	Classroom discussion on the mentioned topics, conceptual question-answer discussion and surprise test on Acid, bases and salts Note: Project work assignment for physical science will be given by 11th May and all students must be well-intimated (Method: Nature Study)
JUNE	09	Ch. 9 – Separation of components of mixture	Definition, types, principles of separation, methods of separation	Experiments on various types of separation of mixtures	Classroom discussion on the mentioned topics, conceptual question-answer from exercise NOTE: Last date for the submission of project will be 18th June
JULY	09	Revision lessons on Ch. 7- Acids, bases and salts Ch. 9- Separation of components of mixture	conceptual question-answer discussion and numerical of Ch. 7 and 9	conceptual question-answer from exercise and miscellaneous question-answer	Surprise test based on Ch. 7 and 9 (Revision lessons) NOTE: 25th July – 2nd Term (Syllabus: Ch. 3,4,7,9)
AUGUST	07	Ch. 6- Solution	Definition, colloids, suspension, emulsion, factors affecting solubility of gases and solids in liquid, solubility curves, numerical, types of solution, crystallization, application	Numerical and conceptual question-answer	Classroom discussion on the mentioned topics, conceptual question-answer from exercise and numerical

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PRINCIPAL

Submitted on : 25.01.2018

Signature of Teacher : *Phrudhury Subhacharya Nandini C*

ACADEMIC CO-ORDINATOR

me
25/1/18
St. Lawrence High School

VICE PRINCIPAL

Arjay



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Mr. ARNAB PAUL CHOWDHURY &

Mr. SUBHAJIT BHATTACHARYA,

Ms. NANDINI CHATTERJEE

TERM: 3rd Term (Contd.)

Subject: CHEMISTRY

TEACHER'S NAME:

CLASS: 9

SECTION: A, B, C, D

Syllabus planning for the academic year 2018

No. of working days:- 57

No. of periods available: 18

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	09	Ch. 10 – Water	Physical properties of water, constituents, hard and soft water, reason of hardness and removal of hardness, water pollution, case study related to arsenic and fluoride contamination and their impact	conceptual question-answer from exercise and miscellaneous question-answer from exercise NOTE: Project work (Method-Case Study) assignment for physical science will be given for summer vacation	Classroom discussion on the mentioned topics, conceptual question-answer from exercise and surprise test Note: Project work assignment for physical science will be given by <u>7th September</u> and all students must be well-intimated (Method: Case Study)
OCTOBER	04	Revision of All the topics from 1 st and 2 nd Term	Revision of the related Concepts	conceptual question-answer from exercise and miscellaneous question-answer from exercise	Classroom discussion on the mentioned topics, conceptual question-answer from exercise and surprise test NOTE: Last date for the submission of project will be <u>4th October</u>
NOVEMBER	05	Revision of 3 rd Term	Revision of the related Concepts	conceptual question-answer from exercise and miscellaneous question-answer from exercise	Surprise test and discussion NOTE: <u>1st Nov- 3rd Term</u> (Syllabus: Entire syllabus)
DECEMBER					

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

PRINCIPAL

[Signature]
VICE PRINCIPAL

Submitted on : 25.01.2018

Signature of Teacher : *[Signatures]*

ACADEMIC CO-ORDINATOR

[Signature]
25/1/18
St. Lawrence High School