



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019



TERM:1ST TERM.....

Syllabus planning for the academic year 2019

Subject:CHEMISTRY.....

CLASS:9.....

TEACHER'S NAME:

SECTION: A, B, C, D

Mr. ARNAB PAUL CHOWDHURY

Mrs. RUMELI DASGUPTA

Mr. SOUMAK CHATTERJEE

No. of working days:-.....86.....

No. of periods available:29.....

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	10	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	05	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	06	Revision lessons on Ch. 4 - Mole Concept Ch. 3- Structure of atom	conceptual question-answer discussion and numerical of Ch. 3 and 4	Numerical	Numerical and revision of Ch. 3 and 4 & Surprise test based on Ch. 3 & 4
APRIL	08	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 pH and its application, importance	Classroom discussion on the mentioned topics, conceptual question-answer discussion NOTE: 9th April- 1st Term (Syllabus: Ch.3,4,7)

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

Name of the Teacher :MR. ARNAB PAUL CHOWDHURY, MR. SOUMAK CHATTERJEE, MRS. RUMELI DASGUPTA.....

Signature of Teacher :*Arnab Paul Chowdhury*.....*Soumak Chatterjee*.....*Rumeli Dasgupta*.....
11/02/19 11/02/19 11/2/19

PRINCIPAL

Submitted on :11.02.19.....

Academic Co-ordinator :*Mu*.....
11.2.19

VICE PRINCIPAL *13/2/19*



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019



TERM:2nd TERM.....

Syllabus planning for the academic year 2019

Subject:CHEMISTRY.....

CLASS:9.....

TEACHER'S NAME:
A.B.C.D
SECTION:

Mr. ARNAB PAUL CHOWDHURY

Mrs. RUMELI DASGUPTA

Mr. SOUMAK CHATTERJEE

No. of working days:-.....70.....

No. of periods available:34.....

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	05	Ch. 7- Acids, bases and salts (contd...)	conceptual question-answer discussion and numerical of Ch. 7	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 6 th 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 24 th June
JULY	13	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:29th 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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Name of the Teacher :MR. ARNAB PAUL CHOWDHURY, MR. SOUMAK CHATTERJEE, MRS. RUMELI DASGUPTA.....

Signature of Teacher :*[Signatures]*.....
17.02.19 11/02/19 11/2/19

PRINCIPAL

Submitted on :11.02.19.....

Academic Co-ordinator :*[Signature]*.....

VICE PRINCIPAL*[Signature]*.....
7/3/2019



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA-700019



TERM:3rd TERM.....

Syllabus planning for the academic year 2019

Subject:CHEMISTRY.....

CLASS:9.....

TEACHER'S NAME:
A, B, C, D
SECTION:

Mr. ARNAB PAUL CHOWDHURY

Mrs. RUMELI DASGUPTA

Mr. SOUMAK CHATTERJEE

No. of working days:.....55.....

No. of periods available:19....

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	10	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>12th September</u> and all students must be well-intimated(Method: Case Study)
OCTOBER	06	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>16th October</u>
NOVEMBER	03	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: 15th Nov- 3rd Term (Syllabus: Entire syllabus)
DECEMBER	NA	NA	NA	NA	NA

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Name of the Teacher :MR. ARNAB PAUL CHOWDHURY, MR. SOUMAK CHATTERJEE, MRS. RUMELI DASGUPTA.....

Signature of Teacher :*Arnab Paul Chowdhury*.....
11.02.19
.....*Soumak Chatterjee - Rumeli Dasgupta*.....
11/02/19 11/2/19

Submitted on :11.02.19.....

Academic Co-ordinator :*Mu*.....
11.2.19

PRINCIPAL

VICE PRINCIPAL *13/2/19*