



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Syllabus planner for the Academic Year 2020

TERM: 1ST TERM

NO. OF PERIODS AVAILABLE: 39



TEACHER'S NAME: Ms. RUMELI DASGUPTA, Mr. SOUMAK CHATTERJEE

CLASS: 10

SECTION: A, B, C, D

SUBJECT: CHEMISTRY

NO. OF WORKING DAYS:- 84

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOME-WORK	CLASS-WORK
JANUARY	12	Ch. 8.1 Periodic table and periodicity of the properties of elements	Brief history of periodic table, modern periodic table, periodicity properties of elements	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer
FEBRUARY	12	Ch. 8.2 Ionic and covalent bonding	Properties of ionic, covalent compounds, Lewis dot structures, covalent bonding	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer
MARCH	11	Ch. 3 Chemical calculations Ch. 8.3 Electricity and chemical reactions	numericals related to conservation of mass in chemical reactions, molecular weights and vapour density of gaseous species. Electrolytes, mechanism of electrical conduction in molten and solution states, electrolysis, application of electrolysis	Question answer related to the topic covered Numerical related to the topic	Classroom discussions on the mentioned topic followed by conceptual question answer
APRIL	04	Revision lessons on Ch 8.1, 8.2, 8.3, 3	question answer related to chemical calculations, ionic and covalent bonding, electrolysis, periodic table etc from test papers.	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer Note: 15th April 1st term EXAMINATION starts Syllabus : Ch 8.1, 8.2, 8.3, 3

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.

Submitted on: 02.03.20.

Signature of Teachers:  Soumak Chatterjee
02/03/2020

Academic Co-ordinator:



PRINCIPAL

VICE PRINCIPAL





ST. LAWRENCE HIGH SCHOOL

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Syllabus planner for the Academic Year 2020

TERM: 2ND TERM

NO. OF PERIODS AVAILABLE: 34



TEACHER'S NAME: Mr SOUMAK CHATTERJEE, Ms. RUMELI DASGUPTA

CLASS: 10

SECTION: A, B, C, D

SUBJECT: CHEMISTRY

NO. OF WORKING DAYS:- 70

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	07	Ch. 8.6 Organic chemistry	Tetravalency and catenation property, structures of methane, ethane, ethane, ethyne, functional groups, isomerism, homologous series, IUPAC nomenclature of simple organic compounds.	Question answer related to the topic covered Note: project work (method: nature study) assignment for physical science will be given for summer vacation.	Classroom discussions on the mentioned topic followed by conceptual question answer. Note :project work assignment for physical science will be given by 13th May and all students must be well intimated
JUNE	07	Ch. 8.6 Organic chemistry (contd...)	Industrial source and major use of methane, ethane, ethane, LPG, CNG, reactions of methane, ethane, ethane, some other synthetic organic polymers, biodegradable polymers, use and properties of ethyl alcohol and acetic acid, harmful effects of methanol and ethanol, denatured spirit	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer Note: last date for the submission of project will be 29th June
JULY	14	Ch. 8.4 Inorganic chemistry in the laboratory and in industry	Laboratory preparation, properties, major uses of ammonia, urea, hydrogen sulphide, nitrogen.	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer
AUGUST	06	Ch. 8.4 Inorganic chemistry in the laboratory and in industry (contd..)	Industrial manufacture of HCl, HNO ₃ and H ₂ SO ₄	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer NOTE; 3RD August Pre-Test EXAMINATION starts Syllabus: Ch 8.1,8.2, 8.3, 3, 8.6, 8.4(laboratory preparation, properties, uses of NH₃, H₂S,N₂,UREA)

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Submitted on: 02.03.20.

Signature of Teachers: *Soumak Chatterjee*
02/03/2020

PRINCIPAL

Academic Co-ordinator:

VICE PRINCIPAL



ST. LAWRENCE HIGH SCHOOL

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Syllabus planner for the Academic Year 2020

TERM: 3RD TERM

NO. OF PERIODS AVAILABLE: 20



TEACHER'S NAME: Ms. RUMELI DASGUPTA, Mr. SOUMAK CHATTERJEE

CLASS: 10

SECTION: A, B, C, D

SUBJECT: CHEMISTRY

NO. OF WORKING DAYS:- 35

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	14	Ch. 8.5 Metallurgy	Uses of Fe, Cu, Zn and Al and their alloys, ores and minerals, metal corrosion, rusting of iron and their prevention, corrosion of other metals and health implications	Question answer related to the topic covered Note: project work (method: case study) assignment for physical science will be given.	Classroom discussions on the mentioned topic followed by conceptual question answer Note: project work assignment for physical science will be given by 14th September and all students must be well intimated (method –case study)
OCTOBER	06	Ch. 1 Our environment and its crisis	Structure of atmosphere, the ozone layer, greenhouse effect and global warming, harnessing energy resources for sustainable development	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer Note: last date for the submission of project will be on 16th OCTOBER
NOVEMBER		NOTE: 3rd November SELECTION TEST Syllabus: Entire syllabus for Madhyamik examination			
DECEMBER					

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.

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02/03/2020

Academic Co-ordinator: 

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