

ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION Syllabus planner for the Academic Year 2020 TERM: 1ST TERM



TEACHER'S NAME: Ms. RUMELI DASGUPTA

SECTION: A, B, C, D

SUBJECT: CHEMISTRY

NO. OF WORKING DAYS: 84

NO. OF PERIODS AVAILABLE: 47

CLASS: 9

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOME-WORK	CLASS-WORK
JANUARY	12	Ch.4.1 Atomic Structure	Discovery of electrons, cathode ray experiment, Rutherford's alpha particle experiment, Rutherford model of atom, limitations of Rutherford's model, discovery of neutrons, charge and mass of electrons, protons and neutrons, qualitative presentations of Bohr Rutherford's model, electronic orbits, isotope, isotone, isobar, nuclear forces	Question answer related to the topic covered.	Classroom discussions on the mentioned topic followed by conceptual question answer.
FEBRUARY	16	Ch 4.1 Atomic structure (contd) Ch. 4.2 Mole concept	Electronic configurations upto Z=20, absorption/emission of energy during electronic transitions between orbits. Mole as unit of number, Avogadro's number and its importance, ,concept of gram atom and gram molecules	Question answer related to the topic covered. Numerical related to the topic	Classroom discussions on the mentioned topic followed by conceptual question answer.
MARCH	15	Ch. 4.2 Mole concept (contd) Ch 4.3 Solution	Amu, molar volume of gas at N.T.P, use of molar mass molar volume and formula mass in chemical calculations and numerical based on this chapter. Definitions and example of true solution, colloidal and coarse suspension and diameter of particles of these solutions.	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. 4.1 Atomic structure Ch 4.2 Mole concept Ch. 4.3 Solution	Conceptual question answer discussion.	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer. Note:15 th April 1 st term EXAMINATION starts Syllabus:Ch 4.1,4.2, 4.3(TOPICS COVERED UPTO MARCH IN CLASS)

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: ()2. 03.200

Signature of Teacher:

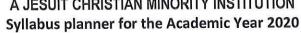
Academic Co-ordinator:

PRINCIPAL



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



TERM: 2nd TERM

TEACHER'S NAME: Ms. RUMELI DASGUPTA

SECTION: A,B,C,D



SUBJECT: CHEMISTRY

NO. OF PERIODS AVAILABLE: 34

CLASS: 9

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	07	4.3 Solution (contd)	Dissolution of small ions and macromolecules, different colloidal solutions, solubility of solid and gases in liquid, saturate, ,unsaturated and supersaturated solutions, crystallization, concentration of solution and its unit, motion of the particles in solutions, numerical related to solubility, non aqueous solvent.	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 13 th May and all students must be well intimated.
JUNE	07	4.4 Acid , bases and salts	Arrhenius definition of acid and bases, indicators, industrial uses ,properties and reactions of NaOH,H2SO4,HNO3,HCL,safe handling of acids and bases, qualitative introduction of pH, effect of pH	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 29 th June
JULY	14	4.4 Acid, base and salts (contd)	Oxides and their properties, neutralization, antacids, normal, acidic and basic salts	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer. Revision lessons on Ch. 4.3,4.4
AUGUST	06	4.5 separation of components of mixtures	Importance of separation of components and mixtures, distillation, fractional distillation	Question answer related to the topic covered	NOTE; 3 RD August 2 nd term EXAMINATION starts Syllabus: 4.1,4.2,4.3,4.4 Classroom discussions on the mentioned topic followed by conceptual question answer.

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Submitted on: \$2.03 20 Signature of Teacher:

Academic Co-ordinator: , Secon

PRINCIPAL

VICE PRINCIPAL



SUBJECT: CHEMISTRY

ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION Syllabus planner for the Academic Year 2020



TERM: 3rd TERM

TEACHER'S NAME: Ms. RUMELI DASGUPTA

CLASS: 9

SECTION: A, B, C,D

NO. OF WORKING DAYS:- 58			NO. OF PERIODS AVAILABLE: 27 CLASS: 9 SECTION: A, B, C, D		ECTION: A, B, C ,D
MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	14	4.5 separation of components of mixtures (contd) 4.6 water	Use of separatory funnel Physical properties of water, quality parameters of drinking water, purificational method for drinking water, soft and hard water, removal of permanent and temporary hardness of water	Question answer related to the topic covered Note: project work (method: case study) assignment for physical science will be given for puja vacation	Classroom discussions on the mentioned topic followed by conceptual question answer. Note: project work assignment for physical science will be given by 30 th September and all students must be well intimated (method –case study)
OCTOBER	08	4.6 water (contd)	Water pollution, arsenic and fluoride in ground water	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer.
NOVEMBER	05	Revision of all topics from 1 st , 2 nd , 3 rd term	Revision of the related concepts.	Question answer related to the topic covered	Classroom discussions on the mentioned topic followed by conceptual question answer NOTE: 18 TH November -3 rd term EXAMINATION starts (syllabus: entire syllabus) Note: last date for the submission of project will be 3 rd NOVEMBER
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.

Submitted on: 02.03.28

Signature of Teacher:

Academic Co-ordinator: 1 Eurow thu