



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION
Syllabus Planner for the year 2020



SUBJECT: LIFE SCIENCE

TERM: FIRST

TEACHERS' NAME: SHAISTA AHMED AND MANJAREE GUHA

NO. OF WORKING DAYS:-88

NO. OF PERIODS AVAILABLE: 25

CLASS: 9

SECTION: A, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	8	Chapter 1 Life and its Diversity	Origin of Life, Taxonomy, Plant Kingdom, classification, characteristics and examples.	Short questions on classification to be given	Answering format to be discussed Definitions and notes to be given
FEBRUARY	10	Chapter 1 Life and its Diversity	Classification of Animals, characteristics and examples of different animal groups.	Short questions on classification of animals	Very short answer type questions and notes on classification of animals to be given Guidelines of the project to be given
MARCH	04	Chapter 2 The Levels of Organisation	Biomolecules –inorganic and organic compounds, vitamins and minerals, structure and function of cell organelles	Very short answer type questions on biomolecules and structure of cell	Very short answer type questions and notes on biomolecules and structure of cell to be given <u>Project to be submitted on 11.03.2020</u> Project Topic: <u>Taxonomic hierarchy and classification of five living organisms.</u>
APRIL	First Term Examination Begins on 15.04.2020	Syllabus Ch-1,2(till Plant Tissues) Chapter 2 The Levels of Organisation	Types of plant tissue-structure and function	Short answer type questions on types of tissues to be given	Notes on differences between different types of plant tissues to be given

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.

Signature of Teachers:

Submitted on: 27th January, 2020.

Shaista Ahmed Manjaree Guha
27/1/20

Academic Co-ordinator:

[Signature]

PRINCIPAL

VICE PRINCIPAL

[Signature]



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SUBJECT: LIFE SCIENCE
NO. OF WORKING DAYS:-60

TERM: SECOND
NO. OF PERIODS AVAILABLE: 21

TEACHERS' NAME: SHAISTA AHMED AND MANJAREE GUHA
CLASS: 9
SECTION: A, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	04	Ch-2 the levels of Organization of Life	1. Description of different types of animal tissues, concept of organ and discussion on role & structure of some important organs. 2. Guidelines of the project titled: physiological processes of life	Short question on organs and their roles.	Differences between different types of animal tissues to be given Guidelines of the project to be given
JUNE	06	Ch-3 Physiological Processes of life	Photosynthesis ,transpiration, mineral nutrition	Short answer type questions on components and phases of Photosynthesis	Notes to be given on phases of Photosynthesis and mineral nutrients. <u>Project to be submitted on 22.06.2020</u> Project Topic : <u>Circulatory System</u>
JULY	11	Ch-3 Physiological Processes of life	1.Transport of water ,minerals and food in plants 2. Respiration-respiratory organs, breathing, types and significance of respiration.	Very short answer type questions on transport in plants to be given. Short answer type questions on types of respiration and breathing to be given. Diagrams of the chapters included in the second term to be given.	Notes on transport of water and minerals Notes on types of breathing and breathing mechanism to be given.
AUGUST	Examination begins on 03.08.2020 05	Syllabus Ch-1,2,3(till Nutrition) Ch-3 Physiological Processes of life Projects to be given on model making	1.Nutrition 2.Circulation 3.Excretion 4. Guidelines of the project titled: Blood circulation through Human heart	Very short answer type questions to be given on nutrition, human blood grouping and blood clotting to be given.	Notes to be given on human digestive system and the physiology of digestion, mechanism of blood clotting and human blood groups. Guidelines of the project to be given

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Signature of Teachers: *Shaista Ahmed* *Manjaree Guha*
Submitted on: 27th January, 2020. *27/1/20* *27/1/20*

Academic Co-ordinator: *[Signature]*

PRINCIPAL

VICE PRINCIPAL

[Signature]



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SUBJECT: LIFE SCIENCE
NO. OF WORKING DAYS: - 59

TERM: THIRD.
NO. OF PERIODS AVAILABLE: 25

TEACHERS' NAME: SHAISTA AHMED AND MANJAREE GUHA
CLASS: 9 SECTION: A, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	10	Ch-3 Physiological processes of life Ch-4 Biology and Human Welfare	1.Excretion-excretory organs of animals & human excretory system 2.Human immunity, types of vaccines, pathogens causing human diseases, WASH programme	Diagram of Nephron Long answer type questions on types of vaccines	Notes on formation of Urine and human kidneys Very short answer type questions on human excretory system Notes on components of human immune system to be given Project to be submitted on 07.09.2020 Project Topic: Industrial and Environmental importance of microorganisms.
OCTOBER	06	Ch-5 environment and its resources Revision 3 rd term-Ch-1,2,3,4 and 5	Ecosystem-definition and components ,food chain, food web, energy flow ,biological pyramids, natural resources and their sustainable use.	Short answer type questions on Ecosystem	Notes to be given on components of ecosystem
NOVEMBER	Third Term Examination begins on 18.11.2020	Revision of the entire syllabus Syllabus Ch-1,2,3, 4 and 5			
DECEMBER					

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VICE PRINCIPAL *[Signature]*