



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2018

No. of working days: 61

TERM: First

No. of periods available: 22 (Estimated)

Subject: Life Science

TEACHER'S NAME: Debarati Mukherjee Bhowmick, Beline Jermy P

CLASS: 10

SECTION: A, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	07	Ch – 1- Control and Co-ordination in Living Organisms.	Sensitivity and Response in Plants; Plant Movement, Plant Hormone.	Objective Questions ( MCQ, VSAQ, SAQ) to be given on topics- Plant Movement and Plant Hormone.	Notes to be given on Plant Movement, Functions of Plant Hormone. <u>Project (Topic- Nature Study) to be given to the students.</u> Briefing of Patterns and Method of answering the questions ( MCQ, VSAQ, SAQ, LAQ ) will be intimated.
FEBRUARY	11	Ch—1- Control and Co-ordination in Living Organisms.	Animal Hormone, Human Endocrine glands and Hormones secreted from them. Neural Control and Co-ordination, Nervous pathway, Neurone- Structure and Parts, Types of Nerve and Nervous System.	Objective Questions ( MCQ, VSAQ, SAQ) to be given on topics- Animal Hormone, Nervous System, Neurone, Nerve and Nervous System. Diagram to be given on Structure of Neurone.	Notes to be given on Flow Chart of Source, Function, Hyposecretion and Hypersecretion of Different Animal Hormones. Discussion on topics-Components of Nervous System, Types of Neurone, Types of Nerve and Nervous System with notes. <u>Last date of Project Submission for 1<sup>st</sup> Term Examination- 13.02.2018.</u>
MARCH	04	Ch—1- Control and Co-ordination in Living Organisms.	Different Parts of Brain, Reflex Action and Reflex Arc, Eye as Sense Organ. <u>Syllabus for 1<sup>st</sup> Term Examination: Chapter- 1 (till Eye as Sense Organ).</u>	Diagrams to be given on Reflex Arc and Structure of Eye.	Notes to be given on Different parts of Brain, Types of Reflex Action, Reflex Arc, Different parts of Eye, Defects of Eye.
APRIL	First Term Examination Begins on 16.04.18.	Higher Secondary Examination ends on 11.04.2018.			

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: 24.01.2018

Signature of Teacher: *Debarati Mukherjee Bhowmick*

ACADEMIC CO-ORDINATOR

*M* 24/1/18  
St. Lawrence High School

VICE PRINCIPAL

*Beline Jermy P*



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2018

No. of working days: 50

TERM: Pre-Test

No. of periods available: 22 (Estimated)

Subject: Life Science

TEACHER'S NAME: Debarati Mukherjee Bhowmick, Beline Jermy P

CLASS: 10

SECTION: A, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	04	Ch—1- Control and Co-ordination in Living Organisms.	Types of Animal Locomotion, Role of Movable Joints and Skeletal Muscles.	Objective Questions ( MCQ, VSAQ, SAQ) to be given on Different types of Animal Locomotion, Types of Joints, Types of Movement. <u>Project to be done by the students as Holiday Home work.</u>	Notes to be given on Locomotion in <i>Amoeba, Paramecium, Euglena</i> , Fish, Bird, Human, Types of Joints and Types of Movement. <u>Project (Topic- Model Making) to be given to the students.</u> Briefing of Patterns and Method of answering the questions (MCQ, VSAQ, SAQ, LAQ ) will be intimated.
JUNE	09	Ch—2- Continuity of Life.	Inter – relationship among Chromosome, DNA and Gene, Types and parts of chromosome, Types and Significance of Cell division, Cell Cycle, Comparison between Mitosis and Meiosis.	Short Questions to be given on Nucleosome Model, Diagrams to be given on Structure of Chromosome, Phase of Cell Cycle and Stages of Mitosis.	Discussion on Concept of Nucleosome Model, Notes to be given on Types and Structure of Chromosome, Chemical Composition of Chromosome, Phases of Cell Cycle, Stages of Mitosis and Meiosis.  <u>Last date of Project Submission for Pre Test Examination- 12.06.2018.</u>
JULY	09 Pre-Test Examination Begins on 25.07.18.	Ch—2- Continuity of Life.	Reproduction – Concept and Modes of Vegetative, Asexual and Sexual Reproduction, Growth and Development, Phases of Human Development.  <u>Syllabus for Pre-Test Examination: Chapters- 1,2.</u>	Objective Questions ( MCQ, VSAQ, SAQ) to be given on Asexual Reproduction, Vegetative Reproduction, Pollination, Human Life span Development. Diagrams to be given on Parts of a Flower.	Notes to be given on Types of Asexual Reproduction, Vegetative Reproduction, Alternation of Generation, Parts of a flower, Pollination- Types and Agents, Phases of Growth, Human Life span Development.
AUGUST	07	Ch-3- Heredity and some Common Genetic Diseases.	Heredity and Variation, Mendel's work on Pea plant, Mendel's Experiment, Mendel's Laws, Some Common Genetic diseases.	Objective Questions (MCQ, VSAQ, SAQ) to be given on Terms associated with Heredity, Reasons for selecting Pea plant as Mendel's experimental material, Seven pairs of contrasting characters. Long Questions to be given on Flow chart of Monohybrid Cross, Dihybrid Cross, Incomplete Dominance.	Discussion on Terms associated with Heredity, Mendel's Work on Pea plant, Monohybrid Cross, Dihybrid Cross, Laws of Mendel, Incomplete Dominance, Sex Determination in man, Common Genetic disorders.  <u>Project (Topic-Creative Writing) to be given to the students.</u> Briefing of Patterns and Method of answering the questions (MCQ, VSAQ, SAQ, LAQ ) will be intimated.

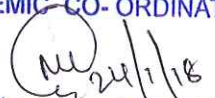
Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

PRINCIPAL

Submitted on: 24.01.2018

Signature of Teacher: Debarati Mukherjee Bhowmick 

ACADEMIC CO-ORDINATOR

  
24/1/18  
St. Lawrence High School

VICE PRINCIPAL







# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus planning for the academic year 2018

TERM: SELECTION TEST

TEACHER'S NAME: Debarati Mukherjee Bhowmick, Beline Jermy P

No. of working days: -57

No. of periods available: 20 (Estimated)

Subject: Life Science

CLASS: 10


SECTION: A, B, C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	09	Ch-4- Evolution and Adaptation. Ch-5—Environment: Its Resources and Their Conservation.	Evolution – Concept and Evidences, Adaptation Behaviour, Examples of Adaptation.  Nitrogen Cycle, Environmental Pollution.	Objective Questions to be given on Theories (Lamarckism and Darwinism) and Evidences of Evolution, Short Questions to be given on Different Types of Adaptation.  Objective Questions (MCQ, VSAQ, SAQ) to be given on Nitrogen Cycle, Causes and Effects of Environmental Pollution.	Discussion on Origin of Life, Theories (Lamarckism and Darwinism) and Evidences of Evolution, Morphological, Physiological and Behavioural Adaptation.  Discussion on Nitrogen Cycle, Different Types of Pollution- Its Causes and Effects. <u>Last date of Project Submission for Selection Test Examination- 10.09.2018.</u>
OCTOBER	04	Ch—5—Environment: Its Resources and Their Conservation.	Environment and Human population, Biodiversity and Conservation. <u>Syllabus for Selection Test Examination: Chapters- 1,2,3,4,5.</u>  Revision of all chapters (Chapters- 1,2,3,4,5) done throughout the Academic Year.	Objective Questions ( MCQ, VSAQ, SAQ, LAQ) to be given on Environment and Human Health, Importance of Biodiversity, Biodiversity Hot Spots, Loss of Biodiversity, Types of Conservation, Conservation of some Major Animals.	Discussion on Over-Increasing Population, Environment and Human Health, Importance of Biodiversity, Biodiversity Hot Spots, Loss of Biodiversity, Types of Conservation, Conservation of some Major Animals.
NOVEMBER	Selection Test Examination Begins on 01.11.18.				
DECEMBER					

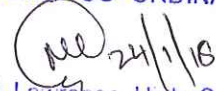
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