



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus Planner for the year 2018

TERM: FIRST TERM

TEACHER'S NAME: NANDINI CHATTERJEE, MALOSHREE NIYOGI, SOUMITRA MAITY, PIYALI HALDER

No. of working days:- 61

No. of periods available: 22(ESTIMATED)

Subject: PHYSICS

CLASS: IX.

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	07	CHAPTER 1. SYSTEM OF MEASUREMENTS AND MEASURING DEVICES Project-To be given on the selective topics of Physics like Newton's law of motion, Change of state, Echo etc -- CREATIVE WRITING	<ul style="list-style-type: none"> • Concept of measurement, physical quantity • Unit, different systems of units • Units of different quantities in different systems • Fundamental and derived units • Dimension • Measuring devices, parallax error, measurement 	Objectives types questions system of measurements and measuring devices.	<ul style="list-style-type: none"> • Ref bk : Objective Questions • Numericals from System Of Measurements And Measuring Devices • Discussion of answering the question pattern(MCQ,VSQ,SAQ,LAQ)
FEBRUARY	08	CHAPTER 2. FORCES AND MOTION INCLUDING NEWTON'S LAWS OF MOTION	<ul style="list-style-type: none"> • Body, particle, rigid body • Frame of reference • Rest and motion, types of motion • Displacement • Speed, velocity, acceleration • Equation of motion, graphical method 	Short Questions from Force and Motion	<ul style="list-style-type: none"> • Explanations, diagrams, examples, • numerical, units, dimensions, • applications, differences
MARCH	04	CHAPTER 2. FORCES AND MOTION INCLUDING NEWTON'S LAWS OF MOTION contd. <ul style="list-style-type: none"> • LAST SUBMISSION DATE FOR FIRST TERM PROJECT -23RD March 	<ul style="list-style-type: none"> • Newton's laws of motion, force • Balanced force, unbalanced force • Law of parallelogram of forces • Inertia, different types of inertia • Different types of forces • Law of conservation of momentum • Collision 	Objectives types questions and numericals from Force and Motion	Short and Long Questions, Examples, numericals, diagrams Ref. bk : Numericals and objectives
APRIL		H.S EXAM ENDS ON 11.04.2018 FIRST TERM EXAM STARTS FROM 16.04.2018	SYLLABUS FOR FIRST TERM : CHAPTERS 1,2		

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..... 24/1/18

Signature of Teacher: Nandini.C

24/1/18

Piyali.H.
24/1/18

M
24/1/18

Planter

ACADEMIC CO. COORDINATOR

St. Lawrence High School

VICE PRINCIPAL

(Handwritten signature)



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus Planner for the year 2018

TERM: . SECOND AND THIRD TERM

TEACHER'S NAME: NANDINI CHATTERJEE, MALOSHREE NIYOGI, SOUMITRA MAITY, *ROYAL HALDER*

No. of working days:- 50

No. of periods available: 20

Subject: PHYSICS

CLASS: IX.

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	04	SECOND TERM BEGINS CHAPTER 5. WORK, POWER, ENERGY	<ul style="list-style-type: none"> Work, no-work force Power Energy, types of energy Law of conservation of energy 	Objective questions ,numerical,long questions from work,power,energy Ref bk : Short Questions Numericals from work,power,energy	Explanation, applications, units, dimensions Ref bk : Obejctive questions and numerical
JUNE	09	CHAPTER 3. PRESSURE OF LIQUID AND AIR	<ul style="list-style-type: none"> Thrust, pressure of liquid at a point Archimedes' principle, buoyancy, floatation Density, relative density Surface tension, viscosity 	Short Questions from Pressure of liquid and air	Ref bk – Objectives, Numericals
JULY	09	CHAPTER 3. PRESSURE OF LIQUID AND AIR contd. 25 TH JULY-SECOND TERM EXAM STARTS SYLLABUS FOR SECOND TERM : CHAPTERS 2,3,5.	<ul style="list-style-type: none"> Streamline flow, Bernoulli's theorem Elasticity, Hooke's law, Young's modulus Revision and doubt clearing of the previous chapters 2,3,5 Syllabus for 2nd term-chapters 2,3,5. 	<ul style="list-style-type: none"> Questions from Pressure of liquid and air Revision questions from chapters 2,3,5 	<ul style="list-style-type: none"> Numericals and applications from Pressure of liquid and air Revision of the questions and numericals of the previous chapters 2,3,5
AUGUST	07	THIRD TERM BEGINS CHAPTER 6 HEAT	<ul style="list-style-type: none"> Heat, principle of calorimetry, specific heat First law of thermodynamics Change of state, latent heat 	<ul style="list-style-type: none"> Ref bk : Short questions from Heat 	<ul style="list-style-type: none"> Numerical and applications Ref bk : Numerical, objectives

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: *24/1/18*

Signature of Teacher: *Nandini Chatterjee*

24/1/18
24/1/18
24/1/18

98
flambr

ACADEMIC CO-ORDINATOR

24/1/18
St. Lawrence High School

Maloshree Niyogi
VICE PRINCIPAL



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Syllabus Planner for the year 2018

TERM:THIRD TERM

TEACHER'S NAME: . NANDINI CHATTERJEE ,MALOSHREE NIYOGI,SOUMITRA MAITY, PIYALI HALDER

No. of working days:-.57.

No. of periods available: 20

Subject: PHYSICS

CLASS: IX

SECTION: A,B,C, D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	09	<ul style="list-style-type: none"> ▪ CHAPTER 6. HEAT contd. ▪ CHAPTER 7. Sound 	<ul style="list-style-type: none"> • Saturated and unsaturated vapours • Anomalous expansion of water • Sound, wave nature of sound • Transverse and longitudinal wave, different terms • Reflection of sound, echo, reverberation of sound 	<ul style="list-style-type: none"> • Numericals from Heat • Ref bk – Short questions from Sound 	<ul style="list-style-type: none"> • Short Questions from Heat • Ref bk – Numerical and Objectives
OCTOBER	04	<ul style="list-style-type: none"> ▪ CHAPTER 7. Sound contd. ▪ REVISION OF ALL THE CHAPTERS 	<ul style="list-style-type: none"> • Ultrasonic sound, SONAR • Characteristics of sound • Sound pollution, noise • Revision 	<p>Ref bk – Short questions from Sound</p> <p>Revision of questions</p>	<ul style="list-style-type: none"> • Ref bk – Numerical and Objectives
NOVEMBER	05	<p>THIRD TERM EXAM STARTS FROM 1ST NOV 2018</p> <p>SYLLABUS FOR THE SELECTION : WHOLE BOOK, ALL THE CHAPTERS</p>			
DECEMBER					

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: 24/1/18

Signature of Teacher: *Nandini Chatterjee* *Piyali Halder* *Me* 24/1/18

ACADEMIC CO-ORDINATOR

Me 24/1/18
St. Lawrence High School

VICE PRINCIPAL

Piyali Halder