



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus Planner for the year 2019

TERM: FIRST TERM

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

Subject: PHYSICS

No. of working days:- 86

No. of periods available: 28(ESTIMATED)

CLASS: IX.

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	10	CHAPTER 1. SYSTEM OF MEASUREMENTS AND MEASURING DEVICES	<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 type 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	05	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	08	CHAPTER 2. FORCES AND MOTION INCLUDING NEWTON'S LAWS OF MOTION contd. <ul style="list-style-type: none"> • Project- CREATIVE WRITING (Method) • LAST SUBMISSION DATE FOR FIRST TERM PROJECT - 4TH 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	05	FIRST TERM EXAM STARTS FROM 09.04.2019 SECOND TERM BEGINS FROM 26.04.2019. CHAPTER 5. WORK POWER ENERGY	REVISION OF CHAPTERS 1 AND 2. SYLLABUS FOR FIRST TERM : CHAPTERS 1,2 <ul style="list-style-type: none"> • Work, no-work force • Power 	Objective questions Ref bk : Short Questions Numericals from work,power,energy	Explanation, applications, units, dimensions

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.

Submitted on...1.2.19.....

Signature of Teacher: P. Maloshree Niyogi, M. Niyogi

PRINCIPAL

Academic Co-ordinator: M. Niyogi

Signature of Piyali Halder
VICE PRINCIPAL 11/2/19



ST. LAWRENCE HIGH SCHOOL

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Syllabus Planner for the year 2019

TERM: . SECOND AND THIRD TERM

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

Subject: PHYSICS

No. of working days:- 70

No. of periods available: 30 (ESTIMATED)

CLASS: IX.

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	03	CHAPTER 5. WORK POWER ENERGY cont.	<ul style="list-style-type: none"> Energy, types of energy Law of conservation of energy 	numericals,long questions from work,power,energy Ref bk : Short Questions Numericals from work,power,energy	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	11	CHAPTER 3. PRESSURE OF LIQUID AND AIR contd. 29 TH JULY-SECOND TERM EXAM STARTS SYLLABUS FOR SECOND TERM : CHAPTERS 1, 2, 3, 5.	<ul style="list-style-type: none"> Streamline flow, Bernoulli's theorem Elasticity, Hooke's law, Young's modulus <ul style="list-style-type: none"> Revision and doubt clearing of the previous chapters 2,3,5 Syllabus for 2nd term-chapters 1, 2, 3, 5. 	<ul style="list-style-type: none"> Questions from Pressure of liquid and air Revision questions from chapters 1,2,3,5 	<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 1,2,3,5
AUGUST	07	<u>THIRD TERM BEGINS</u> 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

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Submitted on: 1.2.19

Signature of Teacher: P. Halder, N. Chatterjee, M. Niyogi

PRINCIPAL

Academic Co-ordinator: M. Niyogi

1.2.19
Piyali Halder
VICE PRINCIPAL 11/2/19



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Syllabus Planner for the year 2019

TERM: THIRD TERM

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

Subject: PHYSICS

No. of working days:-.55.

No. of periods available: 23(ESTIMATED)

CLASS: IX

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	11	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	07	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 	Ref bk – Short questions from Sound Revision of questions	<ul style="list-style-type: none"> Ref bk – Numerical and Objectives
NOVEMBER	05	THIRD TERM EXAM STARTS FROM 15 th NOV 2019 SYLLABUS FOR THE SELECTION : WHOLE BOOK, ALL THE CHAPTERS	Revision of full syllabus.		
DECEMBER					

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Submitted on: 1.2.19

Signature of Teacher: P. Malcha Niyogi M. Niyogi

PRINCIPAL

Academic Co-ordinator: M. Niyogi 1.2.19

VICE PRINCIPAL

Piyali Halder 7/12/19