



ST. LAWRENCE HIGH SCHOOL



A Jesuit Christian Minority Institution

Syllabus planning for the Academic Year 2021

TERM: FIRST

Subject: PHYSICS

TEACHERS' NAMES : Ms.Nilanjana Bhadra and Ms.Piyali Halder

CLASS:IX

SECTION: A,B ,C & D

No. of working days: 65

MONTH	LESSONS	TOPICS COVERED	HOME WORK	CLASS WORK
January	Chapter – 1 SYSTEM OF MEASUREMENTS AND MEASURING DEVICES	<ul style="list-style-type: none"> • Concept of measurement, physical quantity, units,dimensions,measuring devices and error calculations. 	Objective type questions system of measurements and measuring devices.	Ref bk : Objective type questions ; Numericals from System of Measurements and Measuring devices; Discussion of answering the question pattern (MCQ, VSQ,SAQ,LAQ)
FEBRUARY	CHAPTER 2. FORCE AND MOTION INCLUDING NEWTON'S LAWS OF MOTION	<ul style="list-style-type: none"> • Equation of motion ,Newton's laws of motion and their practical examples, force • Laws of parallelogram of forces • Different types of inertia • Momentum and collisions 	Objective type questions system of Force and motion.	Ref bk : Objective type questions ; Objective type questions and short questions from Force and Motion.
MARCH	CHAPTER2. . FORCE AND MOTION INCLUDING NEWTON'S LAWS OF MOTION CONTD. CHAPTER 5.WORK, POWER AND ENERGY. Project –(CREATIVE WRITING METHOD) LAST SUBMISSION DATE FOR FIRST TERM PROJECT-12 TH March 2020 TOPIC OF PROJECT- STATES OF MATTER.	<ul style="list-style-type: none"> • Equation of motion ,Newton's laws of motion and their practical examples, force • Laws of parallelogram of forces • Different types of inertia • Work and its formulas • Power 	Things to do D & E (LONG ANSWER TYPE QUESTIONS). Reasoning questions, numerical.	Objective type questions and short questions from Force and Motion.
APRIL	<u>FIRST TERM EXAM STARTS FROM 16TH April 2021</u>	<u>Numericals on work and power.</u> <u>REVISION</u>	Numericals on Work and Power REVISION	Numericals on Work and Power REVISION

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 : 15th March 2021

Signature of the Teachers :

Nilanjana Bhadra
15.3.21

Piyali Halder
15/3/21

PRINCIPAL

Academic Co-ordinator

VICE PRINCIPAL

Swachin
15/03

Amrta
15/3/2021



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

Syllabus planning for the Academic Year 2021



TERM: SECOND

TEACHERS' NAMES : Ms.Nilanjana Bhadra and Ms.Piyali Halder

Syllabus planning for the academic year 2021

Subject: PHYSICS

CLASS:IX

SECTION: A,B ,C & D

No. of working days:45

MONTH	LESSONS	TOPICS COVERED	HOME WORK	CLASS WORK
MAY	Chapter 3.PRESSURE OF LIQUID AND AIR	<ul style="list-style-type: none"> • Thrust, Archimedes' principle, • laws of floatation, • density and surface tension, • viscosity 	Objective type questions and short questions from Pressure of liquids and air	Answering questions from back of the chapter
JUNE	CONTD. CHAPTER 3. PRESSURE OF LIQUID AND AIR	<ul style="list-style-type: none"> • Streamline flow, • Bernoulli's theorem • Elasticity, • Hooke 's law , • Young's modulus. 	Things to do Question A to C Multiple choice –A Very Short Answer –B Short Answer - C	Objective type questions and short questions . Answering questions from back of the chapter.
JULY	Chapter -6.HEAT	<ul style="list-style-type: none"> • Heat, principle of calorimetry, • specific heat, change of state. <u>REVISION</u>	Things to do Multiple choice questions –A Very short Answer- B Long Answer- D & E <u>REVISION</u>	Questions A, B , C Multiple Choice questions Revision
AUGUST	<u>SECOND TERM EXAM STARTS FROM 5th August 2021</u>	<u>REVISION</u>	<u>REVISION</u>	<u>REVISION</u>

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Submitted on : 15th March 2021

Signature of the Teachers :





 15.3.21 15/3/21

PRINCIPAL

Academic Co-ordinator :

VICE PRINCIPAL


 15/03

 15/3/2021



ST. LAWRENCE HIGH SCHOOL

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Syllabus planning for the Academic Year 2021



TERM: THIRD

TEACHERS' NAMES : Ms.Nilanjana Bhadra and Ms.Piyali Halder

Syllabus planning for the academic year 2021

Subject: PHYSICS

CLASS:IX

SECTION: A,B ,C & D

No. of working days:60

MONTH	LESSONS	TOPICS COVERED	HOME WORK	CLASS WORK
SEPTEMBER	CHAPTER 6.HEAT CONTD.	<ul style="list-style-type: none">Saturated and unsaturated vapours;Anomalous expansion of water	Multiple choice questions –A Very Short Answers – B Short Answer- c	Questions D and E (Long Answer Type)
OCTOBER	CHAPTER 7. SOUND	<ul style="list-style-type: none">Nature of sound,types and different terms ;reflection of sound;	Things to do Multiple Choice Questions –A Very Short Answer – B Short answer type -C	Questions D and E(LONG ANSWER TYPE)
NOVEMBER	CHAPTER 7. SOUND THE ENTIRE SYLLABUS IS COMPLETED. REVISION	<ul style="list-style-type: none">ultra sonic and infrasonic sound ; sound pollution and its prevention. Objective type questions and short questions .	Objective type questions and short questions . Answering questions from back of the chapter. REVISION	Objective type questions and short questions . Answering questions from back of the chapter.
DECEMBER	<u>THIRD TERM EXAM</u> <u>STARTS FROM</u> <u>6 .12.21</u>	REVISION	REVISION	REVISION

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 : 15th March 2021

Signature of the Teachers:

Nilanjana Bhadra 15.3.21
Piyali Halder 15/3/21

PRINCIPAL

Academic Co-ordinator:

VICE PRINCIPAL

Amrita
15/3/21