



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION  
Syllabus Planner for the Academic year 2020



Subject: PHYSICAL SCIENCE

TERM: FIRST

TEACHERS' NAMES: Ms. Debjani Chakraborty, Ms. Piyali Halder and Ms. Maloshree Niyogi

No. of working days: 85

No. of periods available: 23

CLASS: VII SECTION: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOME WORK	CLASS WORK
JANUARY	08	PHYSICS:1. PHYSICAL QUANTITIES AND MEASUREMENT	1. VOLUME, AREA, DENSITY, SPEED	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
		CHEMISTRY: 1. MATTER AND ITS COMPOSITION	1. STATES OF MATTER	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	NUMERICALS, SHORT AND LONG ANSWER TYPE QUESTIONS FROM THE CHAPTER
FEBRUARY	07	CHEMISTRY: 1. MATTER AND ITS COMPOSITION	1. COMPOSITION	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
		PHYSICS: 2. MOTION	2. REST AND MOTIONS, TYPES OF MOTION, DISTANCE AND SPEED, UNIFORM AND NONUNIFORM MOTION, WEIGHT	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
MARCH	05	CHEMISTRY:2. PHYSICAL AND CHEMICAL CHANGES	2. DIFFERENT TYPES OF PHYSICAL AND CHEMICAL CHANGES	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
		FROM THE PAMPHLET	PHYSICS: MEASUREMENT CHEMISTRY: SYMBOLS AND FORMULAS	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
APRIL	03	REVISION	REVISION OF ALL THE CHAPTERS OF THE FIRST TERM	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	NUMERICALS, SHORT AND LONG ANSWER TYPE QUESTIONS.
	FIRST TERM EXAM STARTS 15 <sup>TH</sup> APRIL	SYLLABUS OF PHYSICS CHAPTERS (1,2 AND FROM PAMPHLET)			
		SYLLABUS OF CHEMISTRY CHAPTERS (1,2 AND FROM PAMPHLET)			

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 Date: 27<sup>th</sup> January 2020

Signature of Teachers: *Debjani Chakraborty* 28.1.20 *Piyali Halder* 28.1.20 *M. Niyogi* 28/1/2020

PRINCIPAL

Academic Co-ordinator:

*M*  
31/1/2020

VICE PRINCIPAL

*Amal*  
10/2/2020



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION  
Syllabus Planner for the Academic year 2020



Subject: PHYSICAL SCIENCE

TERM: SECOND

TEACHERS' NAMES: Ms. Debjani Chakraborty, Ms. Piyali Halder and Ms. Maloshree Niyogi

No. of working days: 59

No. of periods available: 20

CLASS: VII SECTION: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOME WORK	CLASS WORK
MAY	04	PHYSICS: 3. ENERGY	3. WORK AND ENERGY, DIFFERENT FORMS OF ENERGY, SOURCES, INTERCONVERSION, CONSERVATION AND LAW OF CONSERVATION OF ENERGY	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
		CHEMISTRY: 3. ELEMENTS, COMPOUNDS AND MIXTURE	3. PURE SUBSTANCES, MIXTURES, SPERATING THE COMPONENTS OF MIXTURE	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS FROM THE CHAPTER
JUNE	06	PHYSICS: 4. LIGHT	4. REFLECTION AND LAWS OF REFLECTION, PLANE MIRROR, CHARACTERISTICS OF IMAGE FORMATION, SPEED OF LIGHT, PRIMARY AND SECONDARY COLOUR, APPEARANCE OF COLOUR OF OBJECT, COLOUR SUBTRACTION	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
		CHEMISTRY: 4. ATOMS, MOLECULES AND RADICALS	4. ATOMS, MOLECULES, RADICALS, PERIODIC TABLE AND VALENCY	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
JULY	10	FROM THE PAMPHLET	PHYSICS – PAMPHLET – ENERGY AND FORCE CHEMISTRY – PAMPHLET – FORMULAS, VALENCIES AND PERIODIC TABLE	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
		REVISION	REVISION OF ALL THE CHAPTERS OF THE SECOND TERM	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	NUMERICALS, SHORT AND LONG ANSWER TYPE QUESTIONS.
AUGUST	SECOND TERM EXAM STARTS ON 3 <sup>RD</sup> AUGUST	SYLLABUS OF PHYSICS CHAPTERS (2, 3, 4 AND FROM PAMPHLET)			
		SYLLABUS OF CHEMISTRY CHAPTERS (1, 3, 4 AND FROM PAMPHLET)			
	04	PHYSICS: 5. HEAT	5. TEMPERATURE, EFFECT OF HEAT, THERMAL EXPANSION, METHODS OF HEAT TRANSFER, THERMOS FLASK	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.
		CHEMISTRY: 5. THE LANGUAGE OF CHEMISTRY	5. CHEMICAL REACTIONS	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.

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 Date: 27<sup>th</sup> January 2020

Signature of Teachers: *Debjani Chakraborty* 28.1.20, *Piyali Halder* 28.1.20, *M. Niyogi* 28.1.20

Academic Co-ordinator: *Mu* 31/1/2020

PRINCIPAL

VICE PRINCIPAL: *Amol* 10/2/2020





FOR GOD AND COUNTRY

# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION  
Syllabus Planner for the Academic year 2020



Subject: PHYSICAL SCIENCE

TERM: THIRD

TEACHERS' NAMES: Ms. Debjani Chakraborty, Ms. Piyali Halder and Ms. Maloshree Niyogi

No. of working days: 69

No. of periods available: 23

CLASS: VII SECTION: A, B and C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOME WORK	CLASS WORK	
SEPTEMBER	10	CHEMISTRY: 5. THE LANGUAGE OF CHEMISTRY	5. CHEMICAL EQUATIONS AND ITS TYPES	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.	
		PHYSICS: 6. SOUND	6. SOUND, SOURCES, CHARACTERISTICS, SPEED OF SOUND, REFLECTION, ABSORPTION, AUDIBLE AND INAUDIBLE SOUND	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.	
OCTOBER	06	CHEMISTRY: 6. METALS AND NON-METALS	6. PROPERTIES, METALLOIDS, ALLOYS, USES OF METALS, CORROSION, RUSTING AND ITS PREVENTION	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.	
		FROM THE PAMPHLET	FULL PHYSICS AND CHEMISTRY PORTION FROM THE PAMPHLET	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	SHORT AND LONG ANSWER TYPE QUESTIONS.	
NOVEMBER	02	REVISION	REVISION OF ALL THE CHAPTERS OF THE THIRD TERM	OBJECTIVES, DIAGRAMS AND SHORT ANSWER TYPE QUESTIONS	NUMERICALS, SHORT AND LONG ANSWER TYPE QUESTIONS.	
		THIRD TERM EXAM STARTS ON 18 <sup>TH</sup> NOVEMBER	SYLLABUS OF PHYSICS CHAPTERS (1, 2, 3, 5, 6 AND FROM PAMPHLET)			
			SYLLABUS OF CHEMISTRY CHAPTERS (2, 4, 5, 6 AND FROM PAMPHLET)			
DECEMBER						

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Submitted Date: 27<sup>th</sup> January 2020

Signature of Teachers:

*Debjani Chakraborty* 28.1.20  
*Piyali Halder* 28/1/20  
*M. Niyogi* 28.1.2020

Academic Co-ordinator:

*M*  
27/1/2020

PRINCIPAL

VICE PRINCIPAL

*M*  
10/2/2020