



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus Planner for the year 2019

TERM: FIRST TERM

TEACHER'S NAME: NANDINI CHATTERJEE, PIYALI HALDER

No. of working days:-86 No. of periods available:28(ESTIMATED)

Subject: PHYSICAL SCIENCE

CLASS: VIII.

SECTION: .A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	10	<u>Physics</u> : CHAPTER 1. MATTER <u>Chemistry</u> : CHAPTER 1. MATTER Chemistry-Study of Periodic table from booklet.	<ul style="list-style-type: none"> • Three states of matter • Kinetic theory of matter • Three states of matter in terms of movement of particles • Energy content in the three states of matter • Change of state in matter using kinetic theory <ul style="list-style-type: none"> ➤ Cause of difference in states ➤ Interconversion of states of matter ➤ Conservation of mass. ➤ study of properties of elements using periodic table from booklet. 	Fill in the blanks Objectives types questions from matter. Discussion of elements properties from booklet.	<ul style="list-style-type: none"> • Discussion of Short and long questions • Explanation in detail • Discussion of conceptual based questions.
FEBRUARY	05	<u>Physics</u> : CHAPTER 2. Physical quantities and measurement . <u>Chemistry</u> : periodic table from booklet.	<ul style="list-style-type: none"> • Density • Measurement of densities of solids and fluids • Relative densities • Comparison of densities in three states of matter 	Fill in the blanks Objectives types questions from Physical quantities and measurement	<ul style="list-style-type: none"> • Explanations, diagrams, examples, • numerical, units, dimensions, • applications, differences
MARCH	08	<u>Physics</u> : CHAPTER 2. Physical quantities and measurement contd. <u>Chemistry</u> : CHAPTER 2 PHYSICAL AND CHEMICAL CHANGES CHAPTER 4. STRUCTURE OF ATOM periodic table from booklet.	<ul style="list-style-type: none"> • Comparison of densities in three states of matter • Floating and sinking • Application of floating <ul style="list-style-type: none"> ➤ Reversible and irreversible changes ➤ Periodic and non-periodic changes ➤ Physical and chemical changes ➤ Energy associated with physical and chemical changes ▪ The subatomic particles ▪ Discovery of the nucleus ▪ Number of sub-atomic particles in an atom 	Objectives types questions and numericals from Physical quantities and measurement	Short and Long Questions, Examples, numericals, diagrams Numericals and objectives
APRIL	05	FIRST TERM EXAM STARTS FROM 09.04.2019 <u>SECOND TERM BEGINS FROM 26.04.2019.</u>	REVISION OF CHAPTERS 1 AND 2(<u>SYLLABUS FOR FIRST TERM</u> : PHYSICS:1.Matter 2.Physical quantities and measurement. CHEMISTRY: 1.Matter 2. Physical quantities and measurement. Periodic table from booklet.	Objective questions 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.....5.2.19.....

Signature of Teacher:*Nandini C*.....

PRINCIPAL

ACADEMIC COORDINATOR

VICE PRINCIPAL

SM
7/2/19

Piyali Halder
7/12/19



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Syllabus Planner for the year 2019

TERM: .SECOND AND THIRD TERM

TEACHER'S NAME: NANDINI CHATTERJEE, PIYALI HALDER

No. of working days:- 70

No. of periods available: 30(ESTIMATED)

Subject: PHYSICAL SCIENCE

CLASS:VIII

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	03	<u>Physics</u> -3. Force and pressure <u>Chemistry</u> -CH-3 Elements, compounds and mixtures	<ul style="list-style-type: none"> Turning effect of force Pressure Pressure exerted by liquids Pressure exerted by gases, atmospheric pressure Symbols and characteristics Separation methods	numericals, long questions from pressure : Short Questions Numericals from pressure Short questions and methods analysis	Objectives, numerical. Different symbols; separation methods analysis.
JUNE	09	<u>Physics</u> -chapter 4 Energy <u>Chemistry</u> -chapter 5. The Language of Chemistry. Revision of formulas and periodic table from booklet.	Work Energy Transformation of energy Energy Chain Power Symbols Formulae Valency Chemical equations from booklet periodic table	Short Questions from Energy Numericals	Objectives, Numericals
JULY	11	Physics CHAPTER 5. Light Chemistry-chapter 7. Hydrogen 29TH JULY-SECOND TERM EXAM STARTS SYLLABUS FOR SECOND TERM : Physics CHAPTERS 2,3,5.	<ul style="list-style-type: none"> Revision and doubt clearing of the previous chapters 2,3,4,5 Syllabus for 2nd term-chapters 2,3,4,5. FROM PHY AND CH 3,5, 7 FROM CHEM PERIODIC TABLE AND FORMULAS OF PHY FROM BOOKLET 	<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	<u>THIRD TERM BEGINS</u> <u>Physics</u> Chapter 6-Heat <u>Chemistry</u> -chapter 6- Chemical reactions	<ul style="list-style-type: none"> Heat, principle of calorimetry, specific heat First law of thermodynamics Change of state, latent heat Exothermic, endothermic reaction, types of reaction. 	<ul style="list-style-type: none"> Short questions from Heat Study of reactions 	<ul style="list-style-type: none"> Numerical and applications Numerical, objectives

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Submitted on.....

Signature of Teacher:

PRINCIPAL

Piyali Halder
5/2/19
Nandini Chatterjee
5/2/19

ACADEMIC COORDINATOR

VICE PRINCIPAL

Mu
7/2/19
Piyali
11/2/19



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Syllabus Planner for the year 2019

TERM:THIRD TERM

TEACHER'S NAME: . NANDINI CHATTERJEE , PIYALI HALDER

No. of working days:-.55.

No. of periods available: 23(ESTIMATED) Subject: PHYSICAL SCIENCE

CLASS:IX

SECTION: A,B,C,D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	11	<ul style="list-style-type: none"> ▪ <u>Physics</u> – Chapter 7 sound ▪ <u>Chemistry</u>-chapter 8. Water periodic table from booket 	<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 • Importance, types of water, purification of water. 	<ul style="list-style-type: none"> • Numericals from Heat <ul style="list-style-type: none"> • Short questions 	<ul style="list-style-type: none"> • Short Questions from Heat • Numerical and Objectives
OCTOBER	07	<ul style="list-style-type: none"> ▪ <u>Physics</u>-Chapter8.Electricity. ▪ <u>Chemistry</u>-chapter 9-carbon 	<ul style="list-style-type: none"> • Household consumption of electric energy • Precautions, Conservation of charges, Static electricity • Electroscope, Electricity and lightning conductor • Uses and properties of carbon, laboratory preparations, carbon monoxide. • Revision 	Short questions from electricity Revision of questions	<ul style="list-style-type: none"> • 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.....

Signature of Teacher: *Nandini Chatterjee* *Piyali Halder*

PRINCIPAL

ACADEMIC COORDINATOR

VICE PRINCIPAL

MU
5/2/19
5/2/19
11/2/19