



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Syllabus planning for the Academic Year 2020



SUBJECT: MATHEMATICS

NO. OF WORKING DAYS:- 88

TERM: FIRST AND SECOND

NO. OF PERIODS AVAILABLE: 64

TEACHERS' NAMES : DEBJANI DAS, CHAITALI ROY

CLASS : 9

SECTION: A, B, C & D.

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	18	Real Numbers - CH - 1 Laws of Indices - CH - 2 Profit & Loss - CH - 10	Rational and Irrational numbers, Plotting on number line, simplification, simplification for indices and solve. To find Profit, Loss, Profit %, Loss %, Discount	Sums from (Subrata Datta) Real number, Sums from (Amitava Mitra), Laws of indices, , Sums from Profit & Loss	Sums from Real numbers (Board book), Sums from Laws of Indices, Sums from Profit & Loss
FEBRUARY	11	Graph - CH - 3 Distance Formula— CH - 4 Parallelogram - CH - 6	Graphical representation of linear equation and solving, Distance between two points. Properties of Parallelogram & Riders.	Sums from graph(Subrata Datta) Sums from Ex-- 1 (Co Ordinate Geom S.D) Sums on Parallelogram	Sums from Graph (Ganit Prakash) Sums from Distance Formula (Board Book), Sums on Parallelogram
MARCH	21	Linear Simultaneous Equation - CH - 5 Polynomial - CH - 7 Factorisation - CH - 8 Submission of Project - 3 RD March, 2020, Topic - Real numbers (Survey method)	Solving by elimination and comparison method, cross multiplication and word problems. Polynomials, Function, remainder Theorem, Factor Theorem, Factorisation by formula and middle term method	Sums from Linear Simultaneous Equation (Subrata Datta) Sums from linear simultaneous equation (Amitava Mitra)	Sums from Liner Simultaneous Equation, Polynomial, and Factorisation(Board book)
APRIL	6 + 3 (2 nd term begins - 29 th April, 2020)	Revision on Chapters 7 , 8 and 10 Transversal and Mid point Theorem- CH - 9.	Concept and Related problems, Theorems on transversal and 4 theorems on midpoints and their applications	Selected sums from Amitava Mitra and objectives Project on mid point theorem.	Selected sums from Amitava Mitra and objectives , 1 st Term Exam - 15 th APRIL – 27 th APRIL, 2019. (Syllabus - CH - 1, 2, 3, 4, 5, 6, 7, 8, 10) Riders from Ex - 9

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: 27.01.2020

Signature of Teachers : *Debjani Das, Chaitali Roy*

Academic Co-ordinator: *Chaitali Roy*

PRINCIPAL

VICE PRINCIPAL *Debjani Das*



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SUBJECT: MATHEMATICS

TERM: FIRST AND SECOND

TEACHERS' NAMES : DEBJANI DAS, CHAITALI ROY

NO.OF WORKING DAYS: 70

NO. OF PERIODS AVAILABLE: 52

CLASS : 9

SECTION: A, B, C & D.

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	9	Transversal and mid-pt theorems CH - 9	Theorem on transversal and 4 theorems on the mid pts of the sides of triangle and their application.	Project on mid pt. theorem.	Riders from Ex. 9 (Board book)
JUNE	12	Statistics CH - 11 Area and Perimeter of triangle and quadrilateral CH - 15 Submission of project -- 16 th June, 2020, Topic - Midpoint theorem (Creativity)	Frequency distribution table of grouped data, Histogram and frequency polygon How to find area and perimeter of triangle and quadrilateral.	Selected sum from statistics (Amitava Mitra) Sums on area and perimeter	Sums from Statistics (Board book) Sums on area and perimeter
JULY	22	Theorems on Area Construction I and II (Ch. 12, 13) Circumference of circle CH - 16	Four theorems on Area and their application. Method and proof of construction Circumference of circle	Sums from Theorems on area. Sums on circumference of circle	Selected sums from Theorems on area. Sums on circumference of circle Revision from all the chapters taught in 2nd term, CH- 10 and linear simultaneous Equations.
AUGUST	9 (3 rd term begins – 19 th Aug, 2020)	Construction CH - 14 Theorems on concurrence CH - 17	Method and proof of construction 4 theorems and riders	Sums from the exercise (Board book) Selected sums from concurrency	Sums from the exercise (Board book) Sums from theorems on concurrency. [2 nd term Examination from 3 RD August to 17 th August, 2020. Syllabus - CH - 5 , 9 , 10, 11, 12, 13, 15, 16]

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Signature of Teachers: *Debjani Das, Chaitali Roy*

Academic Co-ordinator: *Chaitali Roy*

PRINCIPAL

VICE PRINCIPAL *Debjani Das*



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SUBJECT: MATHEMATICS
NO. OF WORKING DAYS:- 58

TERM: FIRST AND SECOND
NO. OF PERIODS AVAILABLE: 44

TEACHERS' NAMES : DEBJANI DAS, CHAITALI ROY
CLASS : 9 SECTION: A, B, C & D.

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	21	Area of circle CH - 18 Internal and External division of Straight line CH – 19 Submission of project on 16 th Sept, 2020. Topic – Area of a circle (Nature Study)	Formula to find area of circle and its applications Formula and its derivations	Selected sums from Area of circle, project on area of a circle Sums from Internal and External division of Straight line	Sums from Area of circle Sums and objectives from CH - 19
OCTOBER	13	Area of triangular region CH - 20 Logarithm CH - 21 Set theory Probability (Not for examination)	Application of formula Concept of logarithm and application of its formula Union and intersection of sets and random experiment.	Sums from Area of triangular region Sums from logarithm Sums on set theory and probability	Sums from Area of triangular region Sums from logarithm Sums on set theory and probability
NOVEMBER	10	Logarithm CH - 21, Revision on constructions and co ordinate geometry	Concept of logarithm and application of its formula , concept and related problems on geometry	Revision from all the chapters(Amitave Mitra and objectives	Revision from all the chapters(Amitava Mitra and objectives 3 rd tem exam - 18 th Nov to 28 th Nov, 2020 Syllabus – CH – 1 to 21
DECEMBER	--	-----	-----	-----	-----

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Submitted on: 27.01.2020
Signature of Teachers: *Debjani Das, Chaitali Roy*

Academic Co-ordinator: *Debjani Das*

PRINCIPAL

VICE PRINCIPAL: *Amaly*