ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

TEST | **TERM : 1 and 2** | **TEACHER`S NAME : Tithi Das Gupta, Debjani Das, Siddhartha Bhattacharya**

Syllabus planning for the academic year 2018 | **Subject : Mathematics** | **CLASS : 9** | **SECTION : A, B, C, D**

No. of working days : 85 | **No. of periods available : 41** (32+12 (Exam. 1st term)

MONTH	NO. OF PERIODS	LESSON	TOPICS COVERED	HOME WORK	CLASS WORK
JANUARY	15	Real Numbers Ch. 1 Laws of Indices Ch. 2	Rational and irrational numbers, plotting on number line, simplification, simplification for indices and solve	Sums form Subrata Datta Real Number : Sums from (Amitava Mitra). Laws of Indicates Project on real numbers	Sums from Real numbers (Board book) Sums from Laws of Indices. Last date of submission 17th Feb.
FEBRUARY	18	Graph ch. 3 Distance formula ch.4	Graphical representation of linear equation and solving, Distance between two points.	Sums from Graph (Subrata Datta) Sums from Ex. 1 (Co-ordinate geo S.D.)	Sums from Graph (Ganit Prakash) Sums from Distance formula (Board book)
MARCH	6	Linear Simultaneous. Equation ch. 5 Properties of parallelogram ch. 6 Submission of project I on 9 March (LAST DATE) Topic – Real numbers	Solving by elimination and comparison method, cross multiplication and word problems. Properties of parallelogram and riders.	Sums from Distance formula (Amitava Mitra)	Sums form Linear simultaneous equation
APRIL	14+1 2+12+1	Polynomial ch. 7 Factorisation ch. 8	Polynomial, function, reminder theorem, Factor theorem, Factorisation by factor theorem by formula, middle term method.	Sums from Linear simultaneous equal (Subrata Datta) Sums from on linear simultaneous equation (Amitava Mitra)	Sums from Polynomial, sums from factorisation 1st term exams. 16th April – 28th April Syllabus - Chapter

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 : 27.1.18

Signature of Teacher : Tithi Das Gupta 27.1.18
Siddhartha Bhattacharya 27.1.18
Debjani Das. 27-1-18

PRINCIPAL

ACADEMIC CO- ORDINATOR

Academic Co-ordinator : 27/1/18

VICE PRINCIPAL

ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

TEST | **TERM : 1 and 2**

TEACHER`S NAME : Tithi Das Gupta
Debjani Das
Siddhartha Bhattacharya

Syllabus planning for the academic year 2018 | **Subject : Mathematics** | **CLASS : 9** | **SECTION : A, B, C, D**

No. of working days : 73 | **No. of periods available : 57+13 (exam) = 70**

MONTH	NO. OF PERIODS	LESSON	TOPICS COVERED	HOME WORK	CLASS WORK
MAY	8	Transversal and mid-pt theorems ch. 9 Profit and loss ch. 10	Theorem on transversal and 4 theorems on the mid pts of the sides of triangle and their application. To find profit, loss, profit %, loss % and discount.	Sums from Profit and loss. Project on transversal and mid pt. theorem.	Riders from Ex. 9 (Board book) Sums from profit and loss.
JUNE	17	Statistics ch. 11 Submission of 2nd project on 12th June (LAST DATE) Topic : Mid point theorem	Frequency distribution table of grouped data, Histogram and frequency polygon	Selected sum from statistics	Sums from Statistics
JULY	18+5	Theorems on Area Construction I and II (Ch. 12, 13)	Four theorems on Area and their application. Method and proof of construction	Sums form Theorems on area.	Selected sums from Theorems on area all the chapters taught in 2nd term and laws of indices and linear simultaneous. 2nd term Examination from 25th July to 19th August.
AUGUST	8+14	Area and Perimeter of triangle and quad. (Ch. 15) Circumference of circle (Ch. 16)	How to find area and perimeters of different types of triangle and quadrilateral and circumstance of circle and application.	Sums from Area and perimeter of triangle and quadrilateral.	Sums from Area and perimeter of triangle and quadrilateral.

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Submitted on : 27.1.18

Signature of Teacher : Tithi Das Gupta 24.01.18
Siddhartha Bhattacharya 24.1.18
Debjani Das. 27.1.18.

PRINCIPAL

ACADEMIC CO- ORDINATOR

Academic Co-ordinator : 27/1/18 St. Lawrence School

VICE PRINCIPAL

ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

TEST | **TERM : 3**

TEACHER`S NAME : Tithi Das Gupta
Debjani Das
Siddhartha Bhattacharya

Syllabus planning for the academic year 2018 | **Subject : Mathematics** | **CLASS : 9** | **SECTION : A, B, C, D**

No. of working days : 47 | **No. of periods available : 33+13 (exam)**

MONTH	NO. OF PERIODS	LESSON	TOPICS COVERED	HOME WORK	CLASS WORK
SEPTEMBER	18	Theorems on concurrency ch. 17 Area of circle ch. 18	Discussion of pt of concurrency and 4 theorems of it and riders. Formula to find area of circle and its application.	Selected sums from Concurrency Selected sums from Area of circle. Project on area and perimeter.	Sums from Theorems on concurrency and sums from Area of circle.
OCTOBER	15	Internal and external division of st. line segment (Ch. 19). Area of Triangular Region (Ch. 20). Submission of Project 3. 13.10.18 (LAST DATE) Topic – Area of a circle.	Formula and its derivation to find. Application of formula	From Internal and external division of stiline. Sums from Area of triangular region.	Sums from Area of triangular region.
NOVEMBER	13	Logarithm (Ch. 21) Set theory Probability (not for examination).	Concept of logarithm and application of its formula	Sums from logarithm.	Sums from Logarithm. 3rd term exam On full syllabus in whole academic year. 3rd Exam-Early 1 Nov. to 20th Nov.
DECEMBER					

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 : 27.1.18.

Signature of Teacher : Tithi Das Gupta
Siddhartha Bhattacharya 27.1.18
Debjani Das. 27.1.18

PRINCIPAL

ACADEMIC CO- ORDINATOR

Academic Co-ordinator : St. Lawrence High School 27/1/18.

VICE PRINCIPAL