



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION
Syllabus Planning For The Academic Year 2019



Syllabus Planner for the year 2019

TERM:1ST.....

TEACHER'S NAME : SANJAY BHATTACHARYA, NANDINI CHATTERJEE , SOUMITRA MAITY

No. of working days:-..... 82No. of periods available:62 Subject: MATHEMATICS

CLASS:8

SECTION: A, B, C & D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	18	Arithmetic CH – 1 : RATIONAL NUMBERS	POSITIVE AND NEGATIVE RATIONAL NUMBERS, PROPERTIES, OPERATIONS ON RATIONAL NUMBERS.	SELECTED HOME WORK FROM EXERCISE – 1A, 1B, 1C, 1D, 1E	SELECTED SUMS EXERCISE – 1A, 1B, 1C, 1D, 1E
		Algebra -CH – 2: EXPONENT	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS.	SELECTED HOME WORK FROM EXERCISE – 2	SELECTED SUMS FROM EXERCISE – 2
		Algebra-CH –12: CONCEPTS AND OPERATION IN ALGEBRA	POLYNOMIALS AND OPERATION ON POLYNOMIALS.	SELECTED HOME WORK FROM EXERCISE – 12A, 12B, 12C & 12D	SELECTED SUMS FROM EXERCISE – 12A, 12B, 12C & 12D
FEBRUARY	18	Algebra-CH – 13: ALGEBRIC IDENTITIES	PRODUCT OF TWO BINOMIALS, SQUARING A BINOMIAL, IMPORTANT IDENTITIES. APPLICATION OF DIFFERENT IDENTITIES.	SELECTED HOME WORK FROM EXERCISE – 13A, 13B & 13C	SELECTED SUMS FROM EXERCISE – 13A, 13B & 13C
		Arithmetic -CH – 3: SQUARES AND SQUARE ROOTS	SQUARES, PERFECT SQUARES, SQUARE ROOT, PRIME FACTORISATION, LONG DIVISION METHOD, SQUARE ROOT OF DECIMAL NUMBERS.	SELECTED HOME WORK FROM EXERCISE – 3A, 3B, 3C & 3D	SELECTED SUMS FROM EXERCISE – 3A, 3B, 3C & 3D
		Arithmetic-CH – 4: CUBES AND CUBE ROOTS	CUBES, PERFECT CUBES, PROPERTIES OF CUBES, CUBE ROOT, CUBE ROOT OF DECIMAL NUMBER.	SELECTED HOME WORK FROM EXERCISE – 4A & 4B	SELECTED SUMS FROM EXERCISE – 4A & 4B
		Arithmetic-CH – 5: PLAYING WITH NUMBERS	NUMBER PUZZLES AND GAMES.	SELECTED HOME WORK FROM EXERCISE – 5A, 5B & 5C	SELECTED SUMS FROM EXERCISE – 5A, 5B & 5C
		Arithmetic-CH – 6: SETS	TYPES OF SETS, CARDINAL NUMBER, SUB SET, UNION AND INTERSECTION.	SELECTED HOME WORK FROM EX– 6A, 6B & 6C	SELECTED SUMS FROM EX– 6A, 6B & 6C
		Geometry-CH – 17: TRIANGLES	CLASSIFICATION AND DIFFERENT PROPERTIES OF TRIANGLES.	SELECTED HOME WORK FROM EX – 17A & 17B.	SELECTED SUMS FROM EXERCISE – 17A & 17B.
MARCH	21	Geometry-CH – 17: CONTINUED	DIFFERENT PROPERTIES OF TRIANGLES.	SELECTED HOME WORK FROM EX – 17C & 17D	SELECTED SUMS FROM EXERCISE – 17C & 17D
		Geometry-CH – 18: QUADRILATERAL	SIDES, ANGLES AND DIAGONALS OF QUADRILATERAL, ADJACENT SIDES AND OPPOSITE SIDES, ADJACENT ANGLES AND OPPOSITE ANGLES.	SELECTED HOME WORK FROM EXERCISE – 18	SELECTED SUMS FROM EXERCISE – 18
		Geometry-CH – 19: SPECIAL TYPES OF QUADRILATERALS	PROPERTIES OF – PARALLELOGRAM, RECTANGLE, SQUARE, KITE, ISOSCELES TRAPEZIUM, POLYGONS.	SELECTED HOME WORK FROM EX– 19A, 19B, 19C, 19D & 19E	SELECTED SUMS FROM EX– 19A, 19B, 19C, 19D & 19E
		Geometry-CH – 25: AREAS OF RECTILINEAR FIGURES	AREA & PERIMETER OF – RECTANGLE, TRIANGLE, PARALLELOGRAM, AREA & PERIMETER OF – RHOMBUS, TRAPEZIUM.	SELECTED HOME WORK FROM EX– 25A, 25B, 25C & 25D	SELECTED SUMS FROM EX–25A, 25B, 25C & 25D
		Geometry: THEOREM 1, 2, 3 & 4	THEOREM 1, 2, 3 & 4 FROM BOOKLET	SELECTED HOME WORK FROM BOOKLET	SELECTED SUMS FROM BOOKLET
		Arithmetic : UNITARY METHOD	UNITARY METHOD FROM BOOKLET	SELECTED HOME WORK FROM BOOKLET	SELECTED SUMS FROM BOOKLET
APRIL	5 1 ST TERM BEGINS ON 09.04.19	Statistics-CH – 28: DATA HANDLING	FREQUENCY, RANGE, MEAN, FREQUENCY DISTRIBUTION	SELECTED HOME WORK FROM EX– 28A, 28B & 28C	SELECTED SUMS FROM EXERCISE –28A, 28B & 28C
		REVISION ON Algebra CH – 2: EXPONENT Algebra-CH – 13: ALGEBRIC IDENTITIES	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS. APPLICATION OF DIFFERENT IDENTITIES.	SELECTED HOME WORK FROM EXERCISE – 2 SELECTED HOME WORK FROM EXERCISE – 13A, 13B & 13C	SELECTED SUMS FROM EXERCISE –2 SELECTED SUMS FROM EXERCISE – 13A, 13B &
		Syllabus for 1st term : Chapter - 1, 2, 3, 4, 5, 6, 12, 13, 17, 18, 19, 25, 28, Unitary Method (from booklet) and Theorem 1, 2, 3, 4 (from booklet)			

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:1/2/19.....

Signature of Teacher:*Nandini Chatterjee*.....

PRINCIPAL :

Academic Co-ordinator:*Me*.....

VICE PRINCIPAL :*Sanjay*.....

11/2/19



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION
Syllabus Planning For The Academic Year 2019



Syllabus Planner for the year 2019

TERM:2ND & 3RD.....

TEACHER'S NAME : SANJAY BHATTACHARYA, NANDINI CHATTERJEE , SOUMITRA MAITY

No. of working days:-..... 61.....

No. of periods available: 52.....

Subject: MATHEMATICS

CLASS:8

SECTION: - A, B, C & D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	4	Arithmetic-CH – 7: PERCENTAGE	RELATION AMONG PERCENTAGE, FRACTION & DECIMAL. PERCENTAGE INCREMENT AND DECREMENT.	SELECTED HOME WORK FROM EXERCISE – 7A & 7B	SELECTED SUMS FROM EXERCISE – 7A & 7B
JUNE	16	Arithmetic-CH – 8: PROFIT , LOSS AND DISCOUNT	IMPORTANT FORMULAE, PROFIT , LOSS, DISCOUNT.	SELECTED HOME WORK FROM EXERCISE – 8A & 8B	SELECTED SUMS FROM EXERCISE – 8A & 8B
		Arithmetic-CH – 9: SIMPLE AND COMPOUND INTEREST	PRINCIPAL, INTEREST, IMPORTANT FORMULAE, FORMULA OF COMPOUND INTEREST.	SELECTED HOME WORK FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.	SELECTED SUMS FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.
		Algebra-CH – 14: FACTORISATION	FACTORISING – BINOMIAL, TRINOMIAL.	SELECTED HOME WORK FROM EX– 14A, 14B, 14C, 14D, 14E, 14F, 14G & 14H	SELECTED SUMS FROM EX– 14A, 14B, 14C, 14D, 14E, 14F, 14G & 14H
		Geometry---CH – 20: CONSTRUCTION OF QUADRILATERALS	CONSTRUCTION OF SQUARE, RECTANGLE, PARALLALOGRAM AND RHOMBUS.	SELECTED HOME WORK FROM EXERCISE – 20A & 20B	SELECTED SUMS FROM EXERCISE – 20A & 20B
JULY	20 2 ND TERM EXAM BEGINS FROM 29.07.19	Geometry-CH – 24: CIRCLE	COMPONENTS OF CIRCLE, CHORD PROPERTIES, ANGLE PROPERTIES.	SELECTED HOME WORK FROM EXERCISE – 24A & 24B	SELECTED SUMS FROM EXERCISE – 24A & 24B
		Mensuration-CH – 26: CIRCUMFERENCE AND AREA OF A CIRCLE	CIRCUMFERENCE AND AREA OF A CIRCLE.	SELECTED HOME WORK FROM EX– 26	SELECTED SUMS FROM EX– 26
		Statistics- CH – 29: GRAPHICAL REPRESENTATION OF DATA	BAR GRAPH, HISTOGRAM & PIE CHART.	SELECTED HOME WORK FROM EX– 29A, 29B & 29C	SELECTED SUMS FROM EX– 29A, 29B & 29C
		Geometry: THEOREM 5,6,7,8 & 9	THEOREM 5,6,7,8 & 9 FROM BOOKLET	SELECTED HOME WORK FROM BOOKLET	SELECTED SUMS FROM BOOKLET
		<u>REVISION ON</u> Algebra CH – 2: EXPONENT	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS.	SELECTED HOME WORK FROM EXERCISE – 2	SELECTED SUMS FROM EXERCISE –2
		Algebra-CH – 13: ALGEBRIC IDENTITIES Arithmetic : UNITARY METHOD	APPLICATION OF DIFFERENT IDENTITIES. UNITARY METHOD FROM BOOKLET	SELECTED HOME WORK FROM EXERCISE – 13A,13B & 13C SELECTED HOME WORK FROM BOOKLET	SELECTED SUMS FROM EXERCISE – 13A,13B & 13C SELECTED SUMS FROM BOOKLET
		<u>Syllabus for 2nd term : Chapter – 2, 7, 8, 9, 13, 14, 20, 24, 26, 29, Unitary Method (from booklet) and Theorem 5, 6, 7, 8, 9 (from booklet)</u>			
AUGUST	12	Arithmetic- CH – 10: DIRECT AND INVERSE VARIATION	DIRECT AND INVERSE VARIATION.	SELECTED HOME WORK FROM EXERCISE – 10A, 10B & 10C	SELECTED SUMS FROM EXERCISE – 10A, 10B & 10C
		Arithmetic-CH – 11: TIME AND WORK	TIME & WORK, PIPES AND CISTERNS PROBLEMS.	SELECTED HOME WORK FROM EX– 11	SELECTED SUMS FROM EX– 11

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: 1.2.19

Signature of Teacher: *Nandini Chatterjee*

Academic Co-ordinator: *Sanjay Bhattacharya*

PRINCIPAL :

VICE PRINCIPAL : *7/12/19*



ST. LAWRENCE HIGH SCHOOL

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Syllabus Planning For The Academic Year 2019



Syllabus Planner for the year 2019

TERM: 3RD

TEACHER'S NAME : SANJAY BHATTACHARYA, NANDINI CHATTERJEE , SOUMITRA MAITY

No. of working days:-..... 86.....

No. of periods available:41.

Subject:MATHEMATICS

CLASS: 8

SECTION: A, B, C & D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	18	Algebra- CH – 15: LINEAR EQUATIONS	LINEAR EQUATION IN ONE VARIABLE, APPLICATION TO PRACTICAL PROBLEMS.	SELECTED HOME WORK FROM EXERCISE – 15A & 15B	SELECTED SUMS FROM EXERCISE – 15A & 15B
		Algebra- CH – 16: LINEAR INEQUATIONS	SOLUTION SET, NOTATION, SOLUTION OF LINEAR INEQUATION.	SELECTED HOME WORK FROM EXERCISE – 16A & 16B	SELECTED SUMS FROM EXERCISE – 16A & 16B
		Geometry-CH – 22: LINEAR SYMMETRY, REFLECTION & ROTATION	LINES OF SYMMETRY, REFLECTION, ROTATION.	SELECTED HOME WORK FROM EX– 22A, 22B, 22C & 22D	SELECTED SUMS FROM EX– 22A, 22B, 22C & 22D
		Algebra- CH – 23: LINEAR GRAPHS	REPRESENTING FIRST DEGREE EQUATIONS IN ONE AND TWO VARIABLES ON THE GRAPH PAPERS, DISTANCE TIME GRAPH.	SELECTED HOME WORK FROM EX– 23A, 23B, 23C & 23D	SELECTED SUMS FROM EX–23A, 23B, 23C & 23D
OCTOBER	14 3 RD TERM BEGINS FROM 15.11.19	Mensuration-CH – 27: VOLUME & SURFACE AREA OF SOLIDS	VOLUME AND SURFACE AREA OF– CUBE, CUBOID & CYLINDER.	SELECTED HOME WORK FROM EX– 27A, 27B & 27C	SELECTED SUMS FROM EX– 27A, 27B & 27C
		Statistics- CH – 30: PROBABILITY	PROBABILITY – FUNDAMENTAL CONCEPTS	SUMS BASED ON FUNDAMENTAL CONCEPT FROM EX – 30	SUMS BASED ON FUNDAMENTAL CONCEPT FROM EX-30
		Geometry-CH – 21: REPRESENTING 3D SHAPES IN 2D	EULER'S RULE, DRAWING 2D REPRESENTATION OF 3D OBJECTS	SELECTED HOME WORK FROM EX– 21	SELECTED SUMS FROM EX– 21
		Geometry: THEOREM 10, 11, 12, 13 & 14	THEOREM 10, 11, 12, 13 & 14 FROM BOOKLET	SELECTED HOME WORK FROM BOOKLET	SELECTED SUMS FROM BOOKLET
		REVISION OF Arithmetic-CH – 7: PERCENTAGE Algebra CH – 2: EXPONENT	PERCENTAGE INCREMENT AND DECREMENT. BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS	SELECTED HOME WORK FROM EXERCISE – 7A & 7B SELECTED HOME WORK FROM EXERCISE – 2	SELECTED SUMS FROM EXERCISE – 7A & 7B SELECTED SUMS FROM EXERCISE – 2
		Algebra-CH – 13: ALGEBRIC IDENTITIES Arithmetic-CH – 9: SIMPLE AND COMPOUND INTEREST	IDENTITIES, APPLICATION OF DIFFERENT IDENTITIES. PRINCIPAL, INTEREST, IMPORTANT FORMULAE, FORMULA OF COMPOUND INTEREST.	SELECTED HOME WORK FROM EXERCISE – 13A, 13B & 13C SELECTED HOME WORK FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.	SELECTED SUMS FROM EXERCISE – 13A, 13B & 13C. SELECTED SUMS FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS.
NOVEMBER	5	REVISION OF Arithmetic-CH – 8: PROFIT , LOSS AND DISCOUNT Arithmetic : UNITARY METHOD	IMPORTANT FORMULAE, PROFIT , LOSS, DISCOUNT. UNITARY METHOD FROM BOOKLET	SELECTED HOME WORK FROM EXERCISE – 8A & 8B SELECTED HOME WORK FROM BOOKLET	SELECTED SUMS FROM EXERCISE – 8A & 8B SELECTED SUMS FROM BOOKLET
		Syllabus for 3rd term : All the lessons from 1st, 2nd and 3rd term.			
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 Date: 1.12.19

Signature of Teacher: *Nandini Chatterjee* *Sanjay Bhattacharya*

PRINCIPAL :

Academic Co-ordinator: *MU*

VICE PRINCIPAL

Sanjay Bhattacharya
11/2/19