



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus Planner for the year 2018

TERM:1ST.....

TEACHER'S NAME :TITHI DASGUPTA, CHAITALI ROY, DEBJANI DAS , SOUMITRA MAITY

No. of working days:-..... 84No. of periods available:44 Subject: MATHEMATICS

CLASS:8

SECTION: A, B, C & D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	14	Arithmetic CH – 1 : RATIONAL NUMBERS Algebra-CH –12: CONCEPTS AND OPERATION IN ALGEBRA	POSITIVE AND NEGATIVE RATIONAL NUMBERS, PROPERTIES, OPERATIONS ON RATIONAL NUMBERS. POLYNOMIALS AND OPERATION ON POLYNOMIALS.	SELECTED HOME WORK FROM EXERCISE – 1A, 1B, 1C, 1D, 1E SELECTED HOME WORK FROM EXERCISE – 12A & 12B	SELECTED SUMS EXERCISE – 1A, 1B, 1C, 1D, 1E SELECTED SUMS FROM EXERCISE – 12A & 12B
FEBRUARY	18	Algebra- CH – 12: CONTINUED Algebra -CH – 2: EXPONENT Geometry-CH – 17: TRIANGLES Arithmetic-CH – 7: PERCENTAGE	OPERATION ON POLYNOMIALS. BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS. CLASSIFICATION AND DIFFERENT PROPERTIES OF TRIANGLES. RELATION AMONG PERCENTAGE, FRACTION & DECIMAL.	SELECTED HOME WORK FROM EXERCISE – 12C & 12D SELECTED HOME WORK FROM EXERCISE – 2 SELECTED HOME WORK FROM EX – 17A, 17B, 17C & 17D SELECTED HOME WORK FROM EXERCISE – 7A	SELECTED SUMS FROM EXERCISE – 12C & 12D SELECTED SUMS FROM EXERCISE – 2 SELECTED SUMS FROM EXERCISE – 17A, 17B, 17C & 17D SELECTED SUMS FROM EXERCISE – 7A
MARCH	9	Arithmetic- CH – 7: CONTINUED	PERCENTAGE INCREMENT AND DECREMENT.	SELECTED HOME WORK FROM EXERCISE – 7B	SELECTED SUMS FROM EXERCISE – 7B
APRIL	3 1 ST TERM BEGINS ON 16.04.18	REVISION ON Algebra CH – 2: EXPONENT AND Arithmetic CH – 7: PERCENTAGE	BASE AND POWERS OF NUMBERS, LAWS OF EXPONENTS. RELATION AMONG PERCENTAGE, FRACTION & DECIMAL PERCENTAGE INCREMENT AND DECREMENT.	SELECTED HOME WORK FROM EXERCISE – 2 SELECTED HOME WORK FROM EXERCISE – 7A & 7B	SELECTED SUMS FROM EXERCISE – 2 SELECTED SUMS FROM EXERCISE – 7A & 7B

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:24.01.18.....

Signature of Teacher:Tithi Das Gupta, Chaitali Roy, Debjani Das, Soumitra Maity.....

ACADEMIC CO-ORDINATOR

Academic Co-ordinator:.....

St. Lawrence High School

PRINCIPAL.

VICE PRINCIPAL



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Syllabus Planner for the year 2018

TERM:2ND & 3RD

TEACHER'S NAME :TITHI DASGUPTA, CHAITALI ROY, DEBJANI DAS , SOUMITRA MAITY

No. of working days:-..... 73.....

No. of periods available: 50.....

Subject: MATHEMATICS

CLASS:8

SECTION: - A, B, C & D

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	7	Arithmetic-CH – 5: PLAYING WITH NUMBERS Arithmetic-CH – 10: DIRECT AND INVERSE VARIATION Arithmetic-CH – 3: SQUARES AND SQUARE ROOTS Algebra-CH – 13: ALGEBRIC IDENTITIES	NUMBER PUZZLES AND GAMES. DIRECT AND INVERSE VARIATION. SQUARES, PERFECT SQUARES, SQUARE ROOT, PRIME FACTORISATION, LONG DIVISION METHOD, SQUARE ROOT OF DECIMAL NUMBERS. PRODUCT OF TWO BINOMIALS, SQUARING A BINOMIAL, IMPORTANT IDENTITIES.	SELECTED HOME WORK FROM EXERCISE – 5A, 5B & 5C SELECTED HOME WORK FROM EXERCISE – 10A, 10B & 10C SELECTED HOME WORK FROM EXERCISE – 3A, 3B, 3C & 3D SELECTED HOME WORK FROM EXERCISE – 13A & 13B	SELECTED SUMS FROM EXERCISE – 5A, 5B & 5C SELECTED SUMS FROM EXERCISE – 10A, 10B & 10C SELECTED SUMS FROM EXERCISE – 3A, 3B, 3C & 3D SELECTED SUMS FROM EXERCISE – 13A & 13B
JUNE	15	Algebra-CH – 13: CONTINUED Geometry-CH – 18: QUADRILATERAL Geometry-CH – 24: CIRCLE Algebra-CH – 15: LINEAR EQUATIONS Algebra-CH – 16: LINEAR INEQUATIONS Arithmetic-CH – 8: PROFIT, LOSS AND DISCOUNT	APPLICATION OF DIFFERENT IDENTITIES. SIDES, ANGLES AND DIAGONALS OF QUADRILATERAL, ADJACENT SIDES AND OPPOSITE SIDES, ADJACENT ANGLES AND OPPOSITE ANGLES. COMPONENTS OF CIRCLE, CHORD PROPERTIES, ANGLE PROPERTIES. LINEAR EQUATION IN ONE VARIABLE, APPLICATION TO PRACTICAL PROBLEMS. SOLUTION SET, NOTATION, SOLUTION OF LINEAR INEQUATION. IMPORTANT FORMULAE, PROFIT, LOSS.	SELECTED HOME WORK FROM EXERCISE – 13C SELECTED HOME WORK FROM EXERCISE – 18 SELECTED HOME WORK FROM EXERCISE – 24A & 24B SELECTED HOME WORK FROM EXERCISE – 15A & 15B SELECTED HOME WORK FROM EXERCISE – 16A & 16B SELECTED HOME WORK FROM EXERCISE – 8A	SELECTED SUMS FROM EXERCISE – 13C SELECTED SUMS FROM EXERCISE – 18 SELECTED SUMS FROM EXERCISE – 24A & 24B SELECTED SUMS FROM EXERCISE – 15A & 15B SELECTED SUMS FROM EXERCISE – 16A & 16B SELECTED SUMS FROM EXERCISE – 8A
JULY	16 2 ND TERM EXAM BEGINS FROM 25.07.18	Arithmetic-CH – 8: CONTINUED Arithmetic-CH – 4: CUBES AND CUBE ROOTS Geometry-CH – 20: CONSTRUCTION OF QUADRILATERALS Geometry-CH – 21: REPRESENTING 3D SHAPES IN 2D	DISCOUNT. CUBES, PERFECT CUBES, PROPERTIES OF CUBES, CUBE ROOT, CUBE ROOT OF DECIMAL NUMBER. CONSTRUCTION OF SQUARE, RECTANGLE, PARALLELOGRAM AND RHOMBUS. VARIOUS TYPES OF SOLIDS, 2D REPRESENTATION OF 3D OBJECTS.	SELECTED HOME WORK FROM EXERCISE – 8B SELECTED HOME WORK FROM EXERCISE – 4A & 4B SELECTED HOME WORK FROM EXERCISE – 20A & 20B SELECTED HOME WORK FROM EXERCISE – 21	SELECTED SUMS FROM EXERCISE – 8B SELECTED SUMS FROM EXERCISE – 4A & 4B SELECTED SUMS FROM EXERCISE – 20A & 20B SELECTED SUMS FROM EXERCISE – 21
AUGUST	12	Arithmetic-CH – 9: SIMPLE INTEREST Geometry-CH – 19: SPECIAL TYPES OF QUADRILATERALS Geometry-CH – 22: LINEAR SYMMETRY, REFLECTION & ROTATION Geometry-CH – 25: AREAS OF RECTILINEAR FIGURES	PRINCIPAL, INTEREST, IMPORTANT FORMULAE, FORMULA OF COMPOUND INTEREST. PROPERTIES OF – PARALLELOGRAM, RECTANGLE, SQUARE, KITE, ISOSCELES TRAPEZIUM, POLYGONS. LINES OF SYMMETRY, REFLECTION, ROTATION. AREA & PERIMETER OF – RECTANGLE, TRIANGLE, PARALLELOGRAM.	SELECTED HOME WORK FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS. SELECTED HOME WORK FROM EX- 19A, 19B, 19C, 19D & 19E SELECTED HOME WORK FROM EX- 22A, 22B, 22C & 22D SELECTED HOME WORK FROM EX- 25A & 25B	SELECTED SUMS FROM EXERCISE – 9A, 9B AND COMPOUND INTEREST FORMULA RELATED SUMS. SELECTED SUMS FROM EX- 19A, 19B, 19C, 19D & 19E SELECTED SUMS FROM EX- 22A, 22B, 22C & 22D SELECTED SUMS FROM EX- 25A & 25B

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Submitted Date: 24.01.18

Signature of Teacher: Tithi Das Gupta, Chaitali Roy, Soumitra Maity, Debjani Das

ACADEMIC CO-ORDINATOR

Academic Co-ordinator: M 24/1/18

VICE PRINCIPAL

PRINCIPAL

St. Lawrence High School



ST. LAWRENCE HIGH SCHOOL

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Syllabus Planner for the year 2018

TERM: 3RD

TEACHER'S NAME :TITHI DASGUPTA, CHAITALI ROY, DEBJANI DAS , SOUMITRA MAITY No. of working days:-.....

69..... No. of periods available:29. Subject:MATHEMATICS

CLASS: 8

SECTION: A, B, C & D

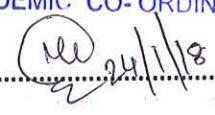
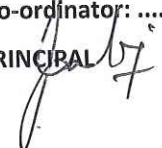
MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER	17	Geometry-CH – 25: CONTINUED Arithmetic-CH – 6: SETS Mensuration-CH – 26: CIRCUMFERENCE AND AREA OF A CIRCLE Mensuration-CH – 27: VOLUME & SURFACE AREA OF SOLIDS Statistics-CH – 28: DATA HANDLING	AREA & PERIMETER OF – RHOMBUS, TRAPEZIUM. TYPES OF SETS, CARDINAL NUMBER, SUB SET, UNION AND INTERSECTION. CIRCUMFERENCE AND AREA OF A CIRCLE. VOLUME AND SURFACE AREA OF– CUBE, CUBOID & CYLINDER. FREQUENCY, RANGE, MEAN, FREQUENCY DISTRIBUTION.	SELECTED HOME WORK FROM EX– 25C & 25D SELECTED HOME WORK FROM EX– 6A, 6B & 6C SELECTED HOME WORK FROM EX– 26 SELECTED HOME WORK FROM EX– 27A, 27B & 27C SELECTED HOME WORK FROM EX– 28A, 28B & 28C	SELECTED SUMS FROM EX– 25C & 25D SELECTED SUMS FROM EX– 6A, 6B & 6C SELECTED SUMS FROM EX– 26 SELECTED SUMS FROM EX– 27A, 27B & 27C SELECTED SUMS FROM EX– 28A, 28B & 28C
OCTOBER	12 3 RD TERM BEGINS FROM 01.11.18	Arithmetic-CH – 11: TIME AND WORK Algebra-CH – 14: FACTORISATION Statistics- CH – 29: GRAPHICAL REPRESENTATION DATA Statistics- CH – 30: PROBABILITY <u>REVISION OF</u> Arithmetic-CH – 7: PERCENTAGE Algebra-CH – 13: ALGEBRIC IDENTITIES	TIME & WORK, PIPES AND CISTERNS PROBLEMS. FACTORISING – BINOMIAL, TRINOMIAL. BAR GRAPH, HISTOGRAM & PIE CHART. PROBABILITY – FUNDAMENTAL CONCEPTS. RELATION AMONG PERCENTAGE, FRACTION & DECIMAL, PERCENTAGE INCREMENT AND DECREMENT. PRODUCT OF TWO BINOMIALS, SQUARING A BINOMIAL, IMPORTANT IDENTITIES, APPLICATION OF DIFFERENT IDENTITIES.	SELECTED HOME WORK FROM EX– 11 SELECTED HOME WORK FROM EX– 14A, 14B, 14C, 14D, 14E, 14F, 14G & 14H SELECTED HOME WORK FROM EX– 29A, 29B & 29C SUMS BASED ON FUNDAMENTAL CONCEPT FROM EX – 30 SELECTED HOME WORK FROM EXERCISE – 7A & 7B SELECTED HOME WORK FROM EXERCISE – 13A, 13B & 13C	SELECTED SUMS FROM EX– 11 SELECTED SUMS FROM EX– 14A, 14B, 14C, 14D, 14E, 14F, 14G & 14H SELECTED SUMS FROM EX– 29A, 29B & 29C SUMS BASED ON FUNDAMENTAL CONCEPT FROM EX-30 SELECTED SUMS FROM EXERCISE – 7A & 7B SELECTED SUMS FROM EXERCISE – 13A, 13B & 13C
NOVEMBER					
DECEMBER					

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Submitted Date: 24.01.18

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