



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Subject: MATHEMATICS

Term: 1ST

Name of the Book: UNDERSTANDING ICSE MATHEMATICS (UIM), M L AGGARWAL

Name of the Subject Co-ordinator: MANALI PAL

No. of Working Days: 61

No. of Periods Available: 67

Class: IX

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	17	Ch-1: Rational and Irrational Numbers UIM Pg. no. 1 to 41 Ch-3: Expansions UIM Pg. no. 71 to 91	Ch-1. Rational, irrational numbers as real numbers, their place in the number system. Surds and rationalization of surds. Simplifying an expression by rationalizing the denominator. Representation of rational and irrational numbers on the number line. Ch-3. Concept of expansions, Algebraic identities like $(a + b)^2$, $(a + b)^3$, $(a - b)^2$, $(a - b)^3$, $(a \pm b \pm c)^2$	UIM Pg. no. 1 to 41, 71 to 91 Selected sums from Ex 1.1 to 1.5 and Ex 3.1 and 3.2	Assisting the students to calculate the value of $\sqrt{2}$, $\sqrt{3}$, etc (Irrational numbers) geometrically ... Materials required: geometry box, compass ruler, pencil, paper
MAY	12	Ch-4: Factorisation UIM Pg. no. 92 to 110 Ch-19: Statistics UIM Pg. no. 483 to 513	Ch-4. $a^2 - b^2$, $a^3 \pm b^3$, $ax^2 + bx + c$, by splitting the middle term Ch-19. Introduction, collection of data, presentation of data, graphical representation of data, Mean, Median of ungrouped data. Histogram and frequency polygon	UIM Pg. no. 92 to 110, 483 to 513 Selected sums from Ex 4.1 to 4.5 and Ex 19.1 to 19.3	To draw histograms for classes of equal widths and varying widths. Materials required: Graph paper, geometry box, sketch pens, scissors, adhesive, cardboard.
Maths Unit Test 1 is on 15/05/2026. Syllabus: Ch- 1 and 3					
JUNE	14	Ch-16. Trigonometric Ratios UIM Pg. no. 411 to 429 Ch-17. Trigonometric Ratios of Standard Angles UIM Pg. no. 430 to 451	Ch-16. Trigonometric Ratios: sine, cosine, tangent of an angle and their reciprocals. Ch-17 Trigonometric ratios of standard angles- Concept of trigonometric ratios of complementary angles and, their direct application:	UIM Pg. no. 411 to 451 Selected sums from Ex 16, Ex 17.1 and Ex 17.2	Magic hexagon for trigonometry
JULY	24	Ch-9: Triangles UIM Pg. no. 182 to 229 Ch-10: Mid-point Theorem UIM Pg. no. 230 to 246 Ch-5. Simultaneous Linear Equations UIM Pg. no. 111 to 129 Ch-6. Problems on Simultaneous Linear Equation UIM Pg. no. 130 to 148	Ch-9. Congruency: four cases: SSS, SAS, AAS, and RHS. Simple applications. Ch-10. Mid-Point Theorem and its converse, equal intercept theorem Ch-5. Solving algebraically by: Elimination, Substitution and Cross Multiplication method Ch-6. Solving simple problems by framing appropriate equations.	UIM Pg. no. 182 to 246, 111 to 148 Selected sums from Ex 9.1 to 9.4, Ex 10, Ex 5.1 to 5.4 and Ex 6	To verify experimentally that in a triangle, the longer side has the greater angle opposite to it. Materials required: Coloured paper, scissors, tracing paper, geometry box, cardboard sheet, sketch pens.
Project 1 submission date: 01/07/2026					

Teachers are requested to prepare a LESSON PLAN for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Manali Pal 20.4.26 2. C Roy 20.4.26 3. Andronil Ghosh 20.4.26

[Signature]
PRINCIPAL

Submitted on: 20.04.2026
Academic Co-ordinator: Chaitali Roy
VICE PRINCIPAL [Signature]



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Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Subject: MATHEMATICS

Term: 1ST + 2ND

Name of the Book: UNDERSTANDING ICSE MATHEMATICS (UIM), M L AGGARWAL

Name of the Subject Co-ordinator: MANALI PAL

No. of Working Days: 61, 36+42

No. of Periods Available: 27+39

Class: IX

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUGUST	24	Ch -15: Mensuration UIM Pg. no. 351 to 410 Ch-7: Indices UIM Pg. no. 149 to 163	Ch-15. Area and perimeter of a triangle and a quadrilateral. Area and circumference of circle. Surface area and volume of Cube and Cuboids. Ch-8 Use of law of exponents	UIM Pg. no. 351 to 410 and 149 to 163 Selected sums from Ex 15.1 to Ex 15.4 and Ex 7	Demonstration of different triangular figures, quadrilaterals to understand the areas of them
Syllabus for 1st term: Chapter no.-1,3,4,5,6,7,9,10,15,16,17,19.					
SEPTEMBER	3+7	<u>1st term major exam starts from 07.09.2026</u> <u>2ND TERM BEGINS FROM 21/09/2026</u> Ch-8: Logarithm UIM Pg. no. 164 to 181	Revision of the entire 1 st term syllabus. Ch-8. Concepts, Laws of Logarithms and their uses	REVISION Pg. no 164 to 181 Selected sums from Ex 8.1 and Ex 8.2	REVISION Use of logarithmic tables
OCTOBER	15	Ch-2: Compound interest UIM Pg. no. 42 to 70	Ch-2. Compound interest as a repeated Simple Interest computation with a growing Principal. Finding CI from the relation $CI = A - P$. Rate of growth and depreciation.	UIM Pg. no 42 to 70 and 164 to 181 Selected sums from Ex 2.1 to Ex 2.3 Ex 8.1 and Ex 8.2	Group activity: Application of Compound Interest in real life.
NOVEMBER	17	Ch-11: Pythagoras Theorem UIM Pg. no. 247 to 264 Ch-18: Coordinate Geometry UIM Pg. no. 452 to 463	Ch-11. Simple applications of Pythagoras Theorem and its converse. 18. Cartesian System, plotting of points, graph of a linear equation.	UIM Pg. no. 247 to 264 and 452 to 463 Selected sums from Ex 11, Ex 18.1 and Ex 10.2	Demonstration of points and lines graphically
Unit Test 2 begins from 16/11/2026. Syllabus: Ch-2 and 8					
Project 2 submission date : 07/12/2026					

Teachers are requested to prepare a LESSON PLAN for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Manali Pal 20.4.26 2. Choy 20.4.26 3. Indranil Ghosh 20.4.26

Submitted on: 20.04.2026

Academic Co-ordinator: Chaitali Roy

PRINCIPAL [Signature]

VICE PRINCIPAL [Signature]



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Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Subject: MATHEMATICS

Term: 2ND

Name of the Book: UNDERSTANDING ICSE MATHEMATICS (UIM), M L AGGARWAL

Name of the Subject Co-ordinator: MANALI PAL

No. of Working Days: 42, 58

No. of Periods Available: 48

Class: IX

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
DECEMBER	17	Ch-18: Coordinate Geometry (Continued) UIM Pg. no. 464 to 482 Ch -12: Rectilinear Figures UIM Pg. no. 265 to 301	18. Solving simultaneous linear equations graphically, distance formula. Ch-12. Properties of quadrilaterals, parallelograms, rectangles, rhombus, rectangle, square, kite.	UIM Pg. no. 464 to 482 and 265 to 301 Selected sums from Ex 18.3, Ex 18.4, Ex 12.1 and Ex 12.2	Demonstration of points and lines graphically To verify experimentally that the sum of the angles of a quadrilateral is 360°. Materials required: Cardboard, white paper, coloured drawing sheet, cutter, adhesive, geometry box, sketch pens, tracing paper.
JANUARY	22	Ch-13. Theorems on Area UIM Pg. no. 302 to 327 Ch-14. Circle UIM Pg. no 328 to 350	13. Proof and use of Area theorems on parallelograms 14. Arc and chord properties	UIM Pg. no. 302 to 327 and 328 to 350 Selected sums from Ex 13, Ex 14.1 and Ex 14.2	To verify that the triangles on the same base and between the same parallels are equal in area. Materials required: cardboard, graph paper, pair of wooden strips, colour box, scissors, cutter, adhesive, geometry box.
FEBRUARY	09	Full revision 2 ND term major exam starts from 15/02/27	Revision of the entire 2 nd term syllabus.		REVISION
Syllabus for 2 nd term: Chapter no: 1 to 19.					
MARCH	0	Correction work continues	Correction work continues		Correction work continues

Teachers are requested to prepare a LESSON PLAN for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Manali Pal 20.4.26 2. Choy 20.4.26 3. Anirban Ghosh 20.4.26

Submitted on: 20.4.26

Academic Co-ordinator: Chaitali Roy

PRINCIPAL

[Signature]

VICE PRINCIPAL

[Signature]