



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

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



Subject : MATHEMATICS

Term: FIRST

Name of the Subject Co - ordinator : INDRANIL GHOSH

Name of the book: Understanding ICSE Mathematics(X) by M.L.Agarwal (MLA)

No. of Working Days : 61

No. of Periods Available: 67

Class : X

Section : A,B,C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	17	1. Linear Inequations - 4 2. Quadratic Equations - 5 3. Mensuration (cylinder, cone) - 17	1. Pg-49- Inequalities among real numbers, Solving linear inequations in one variable 2. Pg-62-Roots of a quadratic equation, conditions 3. Pg-415-General idea of solid objects and formulae on surface area and volume of a solid and a hollow cylinder, cone	1. Ex-4-Page-57-2,4,6,8,10,12,14,16,18,20,22,26,28,30,32 Page-61-Chapter test. (MLA) 2. Ex-5.1-Page-64-Ex-5.1-2,3,4,5(MLA) 3. Ex-17.1-Page-423-2,4,6,8,10,12,14,16,18,20 Ex-17.2-Page-432-Ex-17.2-4,6,8,10,12,14,17,18(MLA)	Lesson framework with 5E model and Illustrations with coloured drawing sheets and geometry box Group activity (Paper folding)
MAY	12	1. Mensuration(Sphere),combination of solids - 17 2. Quadratic Equations in one variable - 5 (contd.) 3. Reflection - 10 4. AP and GP - 9 <u>First Semester Unit Test on 15.05.2026.(Syllabus : Ch 4, 5,17 (cylinder)</u>	1. Pg-433-Formulae on surface area and volume of a sphere, spherical shells, hemisphere and hemispherical shells. 2. Pg-65- Solving a quadratic equation 3. Pg-208-Reflection of a point in a line and in a point 4. Pg-172-Concepts on A.P and G.P	1. Ex-17.3-Page-438-2,4,5,6,8,9,12,13, Ex-17.4-page-434-2,5,7,8,9(MLA) 2. Ex-5.2-Page-71-2,3,4,5,6,7,8,9, Page-70-Ex-5.3, Page-75-Ex5.4,page-81-Ex-5.5,page-94,Chapter Test(MLA) 3. Page-218-Selected sums from Ex-10(MLA) 4. Page-175-Ex-9.1-3,page-182-Ex-9.2-10,12.14.16,page-190-Ex-9.3-8,10,12,14,page-197-Ex-9.4-4,10,12,page-202-Ex-9.5-8,10,12 and Chapter Test(MLA)	Demonstration with graph paper, pencil and scale, Real life discussion on interest calculated and their difference, Paper folding
JUNE	14	1. Mensuration - 17 (contd.) 2. Banking - 2 3. Factorisation - 7 <u>(Submission of Project 1 on 18.06.2026)</u>	1. Pg-452-Conversion of solids from one shape to another 2. Pg-22-Calculation of interest and maturity amount on recurring deposit. 3. Pg-132-Remainder theorem.	1. Ex-17.4-Page-450-12, 18,20,Ex-17.5-page-461-4,6,8,10,14,16,18,20, 22,24, page-467,Chapter Test(MLA) 2. Ex-2-Page-27-2,4,6,8,10,12, page-30-chapter test(MLA) 3. Page-142,Ex-7,page-146,Chapter Test(MLA)	Thread, coloured paper, coloured pens, wool etc., Marking the various trigonometric ratios inside a unit circle,Cheques and different items required or used in banks by a customer.
JULY	24	1. Factorisation - 7 (contd.) 2. Ratio & Proportion - 6 3. Section formula - 11 4. Equation of straight line - 12 5. Trigonometric Identities - 18	1. Factor theorem and its use 2. Pg-103- Introduction on ratio & proportion, Pg-111&118-Composition of Ratios, Continued Proportion, Properties 3. Section formulae and centroid of a triangle. 4. Pg-241-Slope-Intercept form, Point-slope form, Two-point form 5.Pg-469-Trigonometric ratios and its reciprocal relations, Fundamental Identities.	1. Chapter Test contd.. 2. Selected sums from Page-108-Ex-6.1, page-117 Ex-6.2,page-126-Ex-6.3,Chapter Test(MLA) 3. Page-235-selected sums from Ex-11 and Chapter Test(MLA) 4. Selected sums from Page-251-Ex-12.1,page-261-Ex-12.2, Chapter Test(MLA) 5. Ex-18-Page-486 2, 4, 5, 6, 8, 9, 10, 12, 14, 16,17,18,22,24,27,28,30 32, Chapter Test(MLA)	Group activity with reports finding proportionality relations between daily objects in their surroundings), Illustrations with coloured papers and geometry box.

Teachers are requested to prepare a LESSON PLAN for each Topic monthwise.

Submitted on :20.04.2026

Kindly mention the chapters included for Terminal Examinations

Signature of the Co Teachers: 1. Manali Pal 2. Indranil Ghosh  
20.04.26 20.4.26

Academic Co-ordinator: Chaitali Roy

PRINCIPAL

VICE PRINCIPAL

[Signature]

[Signature]



FOR GOD AND COUNTRY

# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

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

Term: FIRST &amp; SECOND



Name of the Subject Co - ordinator : INDRANIL GHOSH

Subject : MATHEMATICS

Name of the book: Understanding ICSE Mathematics(X) by M.L.Agarwal (MLA)

No. of Working Days : 61,36(FIRST) + 52(SECOND)

No. of Periods Available: 27 + 42 = 69

Class : X

Section : A,B,C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUGUST	24	1. Trigonometric Identities – 18 (contd.) 2. Trigonometrical Tables – 19 3. Heights and Distances – 20 4. Similarity – 13 5. GST – 1 (Submission of Project 2 on 06.08.2026)	1) Pg-472 to 495-Trigonometric ratios of some specific angles,2) Use of trigonometric tables,3)Introduction of Heights and Distance, Pg-496-Angle of Elevation and angle of Depression. 4. Pg-268-Similarity of triangles, Thales Theorem, Area of similar triangles 5. Pg-1-Terms related to GST, Input GST credit, Objectives and advantages of GST, GST value added tax	1. Page-491-selected sums from Chapter Test(MLA) 2. Ex-19-page-495-selected parts from 1,2,3,4,5,6 and 7,8,9,10(MLA) 3. Ex-20-page-508,and Chapter Test(MLA) 4. Ex-13.1-page-281,Ex-13.2-page-292,and Ex-13.3-page-307, and Chapter Test(MLA) 5. Ex-1- Page-15-2,4,6,8,10,12,14,16,18,3,5,7,9,11,13, 15,17, Page-20-Chapter test(MLA)	Graph paper, disc, coloured paper, coloured pens, strings, Spinners, dice, playing cards and coloured balls, Budget news from newspapers, bills of different items
SEPTEMBER	10	1. Matrices – 8 2. Revision for First Term (First Semester Block Test begins from 7.9. 2026) (Syllabus Ch-1,2,4 to 13,17 to 20) Second Semester begins from 21.09.2026	1. Pg-147-Types of operations on matrices, Pg-152-Multiplication of matrices 2. Revision from other reference books and previous years question paper.	1. Selected sums from Page-150-Ex-8.1,page-154-Ex-8.2, Page-164-Even nos. from Ex-8.3 and selected sums from Chapter Test(MLA) 2.Revision. (MLA)	Chart paper and coloured pens.
OCTOBER	15	1. Central Tendency / Statistics – 21 Statistics – 21 (contd.) 2. Probability – 22 3. Locus – 14	1. Pg-514-Mean and median. Pg-535-Modal class, Estimation of modes from Histogram, Median of grouped data. 2. Pg-558-Occurance of an event, Definition, Favourable outcomes, Complimentary Event 3. Pg-318-Theorems on Locus and some standard cases.	1. Page-525-Even nos. from Ex-21.1, page-531-Even nos. from Ex-21.2-Page-535-Ex-21.3-4,8,9,page-538,Ex-21.4-3,6,8, page-541-Ex-21.5-3,page-549-Ex-21.6-4,6,10, Chapter Test-5,9,14(MLA) 2. Selected sums from Page-577-Ex-22, Chapter Test. (MLA) 3. Page-327-Ex-14-Selected sums from Ex-14. (MLA)	Classroom data or school data, chart papers, graph papers, Oreo stacking contest
NOVEMBER	20	(Submission of Project 3 on 05.11.2026) 1. Locus – 14 (contd.) 2. Circles – 15 3. Constructions – 16 4. Shares and Dividends – 3 5. Revision	1. Sums on Locus 2. Pg-331-Angle properties, Cyclic properties of circles, Pg-364-Tangent and Secant properties, 3. Pg-406-Tangents, Circumcircle, Incircle and Circles in and about a regular polygon. 4. Pg-31-Concept on shares and dividend, Pg-28-Formulae 5. Revision from other reference books and previous years question paper.	1. Chapter Test(MLA) 2. Page-344-Even nos. from Ex-15.1, page-360-Even nos from Ex-15.2, selected sums from Chapter Test(MLA) 3. Page-409-Ex-16.1-2,4,page-413-Ex-16.2-2,4,8,10 and selected sums from Chapter Test(MLA) 4. Page-42-Even nos. from Ex-3 till sum no.10, Even nos. and selected sums from Chapter Test(MLA) 5. Revision(MLA)	Estimation of the value of pie with coloured papers.
DECEMBER	00	Rehearsal Test starts from 1st Dec,2026 (Syllabus for Rehearsal Test : Ch – 1 to 22 )	Exam continues till 15 <sup>th</sup> Dec 2026	Exam continues till 15 <sup>th</sup> Dec, 2026	-

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Kindly mention the chapters included for Terminal Examinations

Signature of the Co Teachers: 1. Mausli Pal 20.4.26 2. Indranil Ghosh 20.4.26

Submitted on : 20.04.2026

Academic Co-ordinator: Chaitalis RoyVICE PRINCIPAL RajajPRINCIPAL [Signature]