ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: Computer **Term:** 1st **Name of the Subject Co-Ordinator:** Mr. Phalguni Pramanik **Name of the Book:** Middle School Computer Studies [MSCS 8]

No. of Working Days: 103 **No. of Periods Available:** 23 **Class:** 8 **Sections:** A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	06	**Ch. 1:** Operating System and Graphical User Interface – Role and Functions [MSCS 8: Pages 1 – 13]	• Operating system, need for an OS, functions of OS, types of OS, Working of single and multiuser OS [MSCS 8: Ch 1: Pages 1 – 6]	• Choose the correct answer, State whether the following statements are True or False, Fill in the blanks, Short answer type questions, Long Short answer type questions [MSCS 8: Ch 1: Pages 12-13]	• A chart activity to list important functions of OS
May	04	**Ch. 1:** Operating System and Graphical User Interface – Role and Functions [MSCS 8: Pages 1 – 13]	• User Interface, CUI, GUI, Components of GUI, Introduction to GUI and its advantages [MSCS 8: Ch 1: Pages 6-11]	• Choose the correct answer, State whether the following statements are True or False, Fill in the blanks, Short answer type questions, Long Short answer type questions [MSCS 8: Ch 1: Pages 12-13]	• Comparative charts of CUI and GUI
June	04	UT 1 begins from 23.06.2025. **Ch. 3:** Algorithm & Flowcharts [MSCS 8: Pages 35 – 47]	**UT 1 Syllabus : Ch. 1 - Operating System and Graphical User Interface – Role and Functions** • Algorithms, Characteristics of a good algorithm, steps to develop an algorithm, flowcharts [MSCS 8: Ch 3: Pages 35 – 44]	• Demonstration of Algorithm & Flowchart with relevant examples • Choose the correct answer, State whether the following statements are True or False, Fill in the blanks, Answer the following questions [MSCS 8: Ch 3: Page 45-46]	• Model to represent flowchart symbols
July	09	**Ch. 4:** Introduction to Java Programming [MSCS 8: Pages 48-65]	• Introduction to Programming, tokens, operators, variables, Data types, Simple programs [MSCS 8: Ch 4: Pages 48-55]	• Demonstration using Java application • Choose the correct answer, State whether the following statements are True or False, Fill in the blanks, Answer the following questions [MSCS 8: Ch 4: Pages 63-65]	• Demonstration of Electricity bill calculation

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Phalguni Pramanik* 2. *Soumak chatterjee* 3. *Partha Dutta*

Submitted on: 21.04.2025

Academic Co-ordinator: *K Banerjee*

PRINCIPAL

VICE PRINCIPAL

ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: Computer   **Term:** 1st and 2nd   **Name of the Subject Co-Ordinator:** Mr. Phalguni Pramanik   **Name of the Book:** Middle School Computer Studies [MSCS 8]

No. of Working Days: 103 (1st term) & 92 (2nd term)   **No. of Periods Available:** 26 (12 + 14)   **Class:** 8   **Sections:** A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
August	08	Revision of Java Programming	• Java Tokens	• Chart making on Data Types & operators	• Chart activity: Data types & operators
September (1ST TERM EXAM BEGINS FROM 15/09/2025)	04	1ST TERM EXAM ENDS ON 26TH September, 2025	• 1ST TERM EXAM SYLLABUS: Ch 1: Operating System, Ch 3: Algorithm & Flowcharts, Ch 4: Introduction to Java Programming (Till Data Types)	• Comparative study of different types of OS	• Visual Diagrams on OS architecture
October	06	2nd term begins from 07.10.2025 Ch. 2:Spreadsheets – Functions and Charts [MSCS 8: Pages 14 – 34]	• Formula and Functions, Operators, Precedence of Operators in Excel, Calculations using formulae and rules[MSCS 8: Ch 2: Pages 14 - 18] • Range, Cell referencing, Operations on Sheets, Adding and deleting a worksheet, Functions, charts – its components, types and operations [MSCS 8: Ch 2: Pages 19 - 31]	• Lab Activity: [MSCS 8: Ch 2: Page 35] • Choose the correct answer, State whether the following statements are True or False [MSCS 8: Ch 2: Pages 33, 34] • Fill in the blanks, Short answer type questions, Long Short answer type questions [MSCS 8: Ch 2: Pages 33, 34]	• Demonstration of 2-D charts in MS Excel
November	08	UT 2 begins from 17.11.2025. Ch. 6: Networks [MSCS 8: Pages 78-96]	UT 2 Syllabus : Ch. 2 - Spreadsheets – Functions and Charts • Advantages and application of networking, Communication model on a network, Components of a network, types of network, network topologies, cloud computing [MSCS 8: Ch 6: Pages 78-93]	• Choose the correct answer, State whether the following statements are True or False, Fill in the blanks, Short answer type questions, Long Short answer type questions [MSCS 8: Ch 6: Pages 95-96]	• Model of various network topologies

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

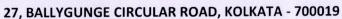Signature of the Co-Teachers: 1. *Phalguni Pramanik*   2. *Soumak chatterjee*   3. *Partha datta*

Submitted on: 21.04.2025

Academic Co-ordinator: *K Ramajee*

PRINCIPAL

VICE PRINCIPAL

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27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: Computer   **Term:** 2nd   **Name of the Subject Co-Ordinator:** Mr. Phalguni Pramanik   **Name of the Book:** Middle School Computer Studies [MSCS 8]

No. of Working Days: 92   **No. of Periods Available:** 18   **Class:** 8   **Sections:** A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
December	06	Ch. 4:Introduction to Java Programming [MSCS 8: Pages 48-65]	• Decision making statement (if, if-else, if-else-if) [MSCS 8: Ch 6: Pages 55-61]	• Choose the correct answer, State whether the following statements are True or False, Fill in the blanks, Short answer type questions, Long Short answer type questions[MSCS 8: Ch 4: Pages 63-65]	• Demonstration of decision making real-life examples.
January	08	Ch. 5: App Development [MSCS 8: Pages 66-77]	• Introduction, Types of Applications, working with Apps, Uses of Applications, Application Development, Components of Application Creation, Testing and Publishing [MSCS 8: Ch 6: Pages 66–75]	• Choose the correct answer, State whether the following statements are True or False, Fill in the blanks, Short answer type questions, Long Short answer type questions [MSCS 8: Ch 5: Pages 76-77]	• A group activity to discuss various modern day applications
February *(2nd TERM EXAM BEGINS FROM 16TH FEBRUARY, 2026)*	04	**2nd TERM EXAM ENDS ON 27.02.2026**	**2ND TERM EXAM SYLLABUS:** **Ch 2:** Spreadsheet – Functions and charts, **Ch 4:** Introduction to Java Programming, **Ch 5:** App Development, **Ch 6:** Networks	• Discussion of slab based programs & Excel functions.	• Chart Visuals on Excel functions

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. *Phalguni Pramanik* 2. *Soumak Chatterjee* 3. *Partha Datta*

Submitted on: 21.04.2025

Academic Co-ordinator: *K Banerjee*

PRINCIPAL

VICE PRINCIPAL