

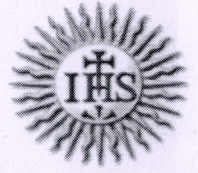


FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Syllabus Planner for the Academic Year 2026-2027



Subject: Computer Applications

Term: First

Name of the Subject Co-ordinator: Mr. Soumak Chatterjee

No. of Working Days: 61

No. of Periods Available: 35

Class: 9

Sections: ABC

Name of the Book: ICSE Computer Applications (Sumita Arora)

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	9	CH-1. Introduction to Object Oriented Programming Page (1-16) CH-2. Introduction to Java Page (17-34)	<ul style="list-style-type: none"> Difference between POP and OOP, Concept of objects, OOP and its characteristics Types of Java Programs, Java Compilation Process, Java Source code, Byte code 	<ul style="list-style-type: none"> Exercise: Short Answer Type Questions [Ch- 1 Page 13-15] Exercise: Short Answer Type Questions[Ch-2 Page 31-34] 	<ul style="list-style-type: none"> Demonstration of live cricket scenario to identify objects. Chart activity: Java compilation process.
MAY	6	CH-2. Introduction to Java ICA9: Page (17-34) CH-3. Elementary Concept of Objects and Classes ICA9: Page (35-46)	<ul style="list-style-type: none"> Object Code, JVM, Features of Java Objects, A Class, Concept of user-defined Data Type, Difference between object and class 	<ul style="list-style-type: none"> Exercise: Short Answer Type Questions, Few programs discussion [Ch-2 Page 31-34] Exercise: Short Answer Type Questions, Few programs discussion [Ch-3 Page 42-46] 	<ul style="list-style-type: none"> Demonstration of Bank scenario to identify various objects and their corresponding functions.
JUNE	6	<u>UT 1 begins from 13.07.2026</u> CH-4. Values and Data Types: Page (47-68)	UT 1 Syllabus : Ch 1 - Introduction to Object Oriented Programming & Ch 2 - Introduction to Java <ul style="list-style-type: none"> Character Set, ASCII, Unicode, Tokens, Data Types, Operators [Ch-4 Page 47-68] 	<ul style="list-style-type: none"> Exercise: Short Answer Type Questions [Ch-4 Page 63-68] 	<ul style="list-style-type: none"> Group activity to identify various tokens.
JULY	13	CH-5. Operators & Expressions Page (69-106) CH-6. Methods/ Functions Page (107-136) CH-7. Input in Java Page (137-158)	<ul style="list-style-type: none"> Operators and their types, Hierarchy, Accumulators, Counters, Ternary, new and dot operator Methods, Definition, Accessing Function Initialization, Parameterised and Scanner Input, Errors and its types. 	<ul style="list-style-type: none"> Application based programs and output questions discussions, Lab activity [Ch-5 Page 95-106, Ch-6 Page 128-136, Page Ch-7 page 150-158] 	<ul style="list-style-type: none"> Chart Activity: List of data types, operators Group activity to find errors in a given sentence.

Signature of the Co-Teachers: 1. *Soumak Chatterjee* 2. *VandheKhanam*

Submitted on: 20.04.2026

Academic Co-ordinator: *Chaitali Roy*

Chaitali Roy

Raj

PRINCIPAL

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VICE PRINCIPAL

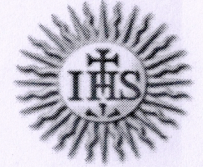


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ST. LAWRENCE HIGH SCHOOL

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Syllabus Planner for the Academic Year 2026-2027



Subject: Computer Applications

Term: 1st & 2nd

Name of the Subject Co-ordinator: Mr. Soumak Chatterjee

Name of the Book: ICSE Computer Applications

No. of Working Days: 61+36=97 (1st term) & 42 (2nd term)

No. of Periods Available: 13 (1st term) & 24 (2nd term)

Class: 9

Sections: ABC

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
AUGUST	11	CH-9. Conditional Constructs in Java Page (177-214)	<ul style="list-style-type: none"> If-then statement, Nested if, Dangling else, If-else-if ladder, Ternary, menu-driven program, exit() [Ch- 9 page 177-214] 	<ul style="list-style-type: none"> Exercise A, B, Few programs will be discussed [Ch-9 page 202-214] Lab activity 	<ul style="list-style-type: none"> Demonstration of Electricity bill calculation
SEPTEMBER (1 st term exam begins from 07.09.2026)	2 5	Revision of Ch 9- Conditional constructs (2 nd term begins from 21.09.2026) CH-8. Mathematical Library Functions Page (159-175)	<ul style="list-style-type: none"> FIRST TERM EXAM SYLLABUS: CHAPTERS: 1. Introduction to Object Oriented Programming 2. Introduction to Java, 3. Elementary Concept of Objects and Classes, 4. Values and Data Types, 5. Operators & Expressions, 6. Methods/Functions, 7. Input in Java, 9. Conditional Constructs in Java Revision & Ongoing Exam 	<ul style="list-style-type: none"> Revision & Ongoing Exam 	<ul style="list-style-type: none"> Lab Activity
OCTOBER	8	CII-8. Mathematical Library Functions Page (159-175)	<ul style="list-style-type: none"> Arithmetic Functions, Java Mathematical Expressions [Ch-7 page 159-175] 	<ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics [Ch- 7 page 170-175] Lab activity 	<ul style="list-style-type: none"> Chart Activity: List of various methods
NOVEMBER	11	UT 2 begins from 16.11.2026 CH-10. Iteration Constructs in Java Page (215-248)	<p>LAST DATE OF PROJECT SUBMISSION : 04.11.2026</p> <p>UT 2 Syllabus : Ch. 8 – Mathematical Library Methods</p> <ul style="list-style-type: none"> Elements that control a loop, For loop and its variants, optional control elements, break and continue statement [Ch-9 page 215-248] 	<ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics, Various programs will be discussed [Ch- 10 page 240-248] Lab activity 	<ul style="list-style-type: none"> Demonstration of iteration through industrial automation examples.

Signature of the Co-Teachers: 1. Soumak Chatterjee 2. Vanisha Khanna

Submitted on: 20.04.2026

Academic Co-ordinator:

Chaitali Roy

PRINCIPAL

[Signature]

VICE PRINCIPAL

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ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Syllabus Planner for the Academic Year 2026-2027



Subject: Computer Applications

Term: 2nd

Name of the Subject Co-ordinator: Mr. Phalguni Pramanik

Name of the Book: ICSE Computer Applications IX

No. of Working Days: 42+ 58= 100

No. of Periods Available: 24

Class: 9

Sections: ABC

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
DECEMBER	9	CH-11. Nested Loops Page (249-268)	<ul style="list-style-type: none"> Left aligned triangular patterns and rectangular patterns [Page 249-268] 	<ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics, Few programs discussion, Lab activity [Ch- 11 page 262-268] 	<ul style="list-style-type: none"> Group activity to classify various patterns of triangles.
JANUARY	10	CH-12. Computing and Ethics Page (269-281) Model Test Paper (Solved)	<ul style="list-style-type: none"> Computer Ethics, Intellectual Property Rights, Malicious Code and Intent, Malware types, Trojans, Computer Viruses, Securing the computer system, antivirus software [Page 269-281] Method of solving model question papers 	<ul style="list-style-type: none"> Exercise A, B, C, Notes on corresponding topics, Exercise [ICA9: Ch 12 page 277-281] Solutions of Model Question Papers 	<ul style="list-style-type: none"> Chart activity: List of computer ethics, antivirus software Group activity to classify computer viruses
FEBRUARY (2 nd term exam begins from 15.02.2027)	5	Revision of Ch 9- Conditional constructs & Ch 10 Iteration Constructs	SECOND TERM EXAM SYLLABUS: 1. Introduction to Object Oriented Programming, 2. Introduction to Java, 3. Elementary Concept of Objects and Classes, 4. Values and Data Types, 5. Operators & Expressions, 6. Methods/Functions, 7. Input in Java, 8. Mathematical Library Functions, 9. Conditional constructs in Java, 10. Iteration Constructs in Java, 11. Nested Loops, 12. Computing and Ethics.	<ul style="list-style-type: none"> Revision & Ongoing Exam 	<ul style="list-style-type: none"> Lab Activity

Signature of the Co-Teachers: 1. Soumak Chatterjee, 2. Vandana Khanna

Submitted on: 20.04.2026

Academic Co-ordinator:

Chaitali Roy

PRINCIPAL

[Signature]

VICE PRINCIPAL

[Signature]