

# St. Xavier's School



## Syllabus Planner

Class	VIII			
Subject	COMPUTER			
Ch. No.	Name of Chapter	Topic	Month	Week
1	Operating System (OS) and Graphical User Interface (GUI)	Role and functions Key Concepts Suggested Transactional Processes Suggested Learning Resources. Introduction, need, functions, features and types of Operating System: Definition and examples of single user. Meaning of user interface and its types (CUI, GUI). Introduction to GUI and its advantages. Revisiting the concept of system software discussed in previous classes .Using presentations/ Videos/ Comparative charts/ Interactive classes to explain the GUI and CUI Operating Systems to children. Discussing the different types of OS with examples. Explaining how an OS works - single user, multiuser. Providing facilities for Quizzes/worksheets and Visuals.	MARCH to May	5
		<b>UNIT TEST I(above topics included)</b>		
2	Spreadsheet	Functions and charts	June	
		Functions and charts		
		Define cell range and apply formula; differentiate between		
		Edit a sheet from sheet tab.	July	
		Formulate a function and create a chart.		
		Spreadsheet – Functions and Charts Key Concepts Suggested		
		<b>UNIT TEST II(above topics of excel included)</b>		
		Excel continued	July	
			to	2
			August	
	COMPUTE NETWORK	DIFFERENT TYPES AND ITS APPLICATION	August	2
		<b>FIRST SEMESTER EXAMINATIONS</b>		
		<b>SECOND SEMESTER EXAMINATION COMMENCES</b>		
5	Algorithm	Describe an algorithm;	Oct	4
		List characteristics of algorithm;		
		Analyse a problem; Apply algorithm to find the best solution of a given problem;		
		Describe flowchart with its symbols; design a flowchart.		
		<b>UNIT TEST III(above topics included)</b>		
		<b>SECOND SEMESTER EXAMINATION COMMENCES</b>		
		<b>ALL CHAPTERS IN SECOND SEMESTER ARE FOR PORTION FOR SEMESTER EXAMINATION</b>		
6	Java	Introduction of Java	Nov	
		Datatypes		
		Declaration and initialisation of variables.		
		Arithmetic operators (+, -, *, /, %), relational and logical Assignment operator and its use.		
		Combining Algorithm ,Flow Chart And Java Program	Dec	
		<b>UNIT TEST IV(above topics included)</b>		
8	Java	Combining Algorithm ,Flow Chart And Java Program	Dec	
9	Programs	Writing programs based on Java (datatypes and operators)		
10	Loops	Java continued with Loops(complete January)	Jan	
		Introduction of iterative Loops		
		Detailed discussion on conditional loops giving more significance on If---Else		
11	Application development	Introduction to apps Working of apps. Uses of some commonly known apps.Types of apps: web or online, mobile.	JAN	1
		Development of simple apps (using any free app development software).Introduction to apps Working of		
		web or online, mobile. Development of simple apps		
		(using any free app development software).		
		UT I-- OPERATING SYSTEM INCLUDING DOS PROGRAMMING UT-II- EXCEL AND PROBLEMS BASED ON EXCEL FUNCTION FIRST SEMESTER--UT-I ,UT-II AND COMPUTER NETWORK UT-III ALGORITHM AND FLOWCHART UT IV-JAVA FUNDAMENTALS TILL OPERATORS SECOND SEMESTER -- ALL OF SECOND SEMESTER		