

## Lesson Plan

**Subject-** Computer Science & Applications

**Lesson Plan-** 16 Weeks (Nov 20 – Feb 21)

Week	Date	BVSD-11 Computer Fundamentals
1	2- Nov – 2020	-
	3- Nov – 2020	-
	4- Nov – 2020	-
	5- Nov – 2020	Computer Fundamentals: Definition,
	6- Nov – 2020	Block Diagram along with its components,
	7- Nov - 2020	characteristics & classification of computers
2	8- Nov - 2020	Sunday
	9- Nov - 2020	-
	10- Nov - 2020	-
	11- Nov - 2020	-
	12- Nov - 2020	Applications of computers in various fields.
	13- Nov - 2020	Memory: Concept of primary & secondary memory, RAM,
	14- Nov - 2020	Holiday
3	15- Nov - 2020	Sunday
	16- Nov - 2020	Holiday
	17- Nov - 2020	-
	18- Nov - 2020	-
	19- Nov - 2020	ROM, types of ROM, flash memory,
	20- Nov - 2020	Secondary storage devices: Sequential & direct access devices viz. magnetic tape, magnetic disk.
	21- Nov - 2020	CD, DVD
4	22- Nov - 2020	Sunday
	23- Nov - 2020	<b>Assignment 1</b>
	24- Nov - 2020	Holiday
	25- Nov - 2020	-
	26- Nov - 2020	Computer hardware & software: relationship between hardware and software
	27- Nov - 2020	types of software, Operating system: Definition,
	28- Nov - 2020	functions of operating system, single-user & multi-user operating system
5	29- Nov - 2020	Sunday
	30- Nov - 2020	Holiday
	1- Dec - 2020	-
	2- Dec - 2020	-
	3- Dec - 2020	multiprogramming, multitasking,
	4- Dec - 2020	multithreading, multiprocessing,
5- Dec - 2020	time-sharing, real time,	
6	6- Dec - 2020	Sunday
	7- Dec - 2020	-
	8- Dec - 2020	-
	9- Dec - 2020	-
	10- Dec - 2020	Problem Solving: Flowcharting,
	11- Dec - 2020	Algorithms

	12- Dec - 2020	pseudo code,
7	13- Dec - 2020	Sunday
	14- Dec - 2020	-
	15- Dec - 2020	-
	16- Dec - 2020	-
	17- Dec - 2020	Computer Languages: Analogy with natural language,
	18- Dec - 2020	machine language
	19- Dec - 2020	assembly language
8	20- Dec - 2020	Sunday
	21- Dec - 2020	-
	22- Dec - 2020	-
	23- Dec - 2020	-
	24- Dec - 2020	high-level language, language translators,
	25- Dec - 2020	Characteristics of a good programming language.
	26- Dec - 2020	Assignment
	27- Dec - 2020	Sunday
9	28- Dec - 2020	-
	29- Dec - 2020	-
	30- Dec - 2020	-
	31- Dec - 2020	Searching, Sorting, and Merging: Linear search
	1- Jan - 2021	Binary Searching
	2- Jan - 2021	Bubble sort
10	3- Jan - 2021	Sunday
	4- Jan - 2021	-
	5- Jan - 2021	-
	6- Jan - 2021	-
	7- Jan - 2021	Selection sort
	8- Jan - 2021	Insertion Sorting
	9- Jan - 2021	Class test
11	10- Jan - 2021	Sunday
	11- Jan - 2021	Holiday
	12- Jan - 2021	-
	13- Jan - 2021	-
	14- Jan - 2021	Merging
	15- Jan - 2021	decision table
	16- Jan - 2021	Structured programming concepts
12	17- Jan - 2021	Sunday
	18- Jan - 2021	-
	19- Jan - 2021	-
	20- Jan - 2021	Holiday
	21- Jan - 2021	Programming methodologies viz. top-down and bottom-up programming.
	22- Jan - 2021	Computer Virus, WORMS, Trojan
	23- Jan - 2021	Planning the Computer Program: Concept of problem solving,
	13	24- Jan - 2021
25- Jan - 2021		-
26- Jan - 2021		Holiday
27- Jan - 2021		-
28- Jan - 2021		Problem definition

	29- Jan - 2021	Program design
	30- Jan - 2021	Debugging
14	31- Jan - 2021	Sunday
	1- Feb - 2021	-
	2- Feb - 2021	-
	3- Feb - 2021	-
	4- Feb - 2021	Types of errors in programming
	5- Feb - 2021	Documentation
	6- Feb - 2021	I/O devices
15	7- Feb - 2021	Sunday
	8- Feb - 2021	-
	9- Feb - 2021	-
	10- Feb - 2021	-
	11- Feb - 2021	I/O devices
	12- Feb - 2021	I/O devices
	13- Feb - 2021	Revision
	14- Feb - 2021	Sunday
16	15- Feb - 2021	-
	16- Feb - 2021	-
	17- Feb - 2021	-
	18- Feb - 2021	Question paper discussion
	19- Feb - 2021	Question paper discussion
	20- Feb - 2021	Revision