

BLOOM PUBLIC SCHOOL
VASANT KUNJ, NEW DELHI

SYLLABUS: 2019-2020

SUBJECT: Computer Programming *With C*

CLASS: IX

MONTH	CHAPTERS
April-May	Introduction to Programming <ul style="list-style-type: none">• Understanding the Programming Concept• What is Computer Programming• High level Languages• Basic of Computer Program Basic of Problem Solving <ul style="list-style-type: none">• Designing a Problem• Understanding Algorithms• Understanding Flow Chart
July	Fundamentals of C Language <ul style="list-style-type: none">• History of C• Important point about C• Why use C ?• Features of C My First Program in C <ul style="list-style-type: none">• A simple program in C• Understanding C Program structure• Header file• Main Function• Printf Function• Return statement
August	Data Types and Variables in C <ul style="list-style-type: none">• Introduction to data types• Types of data type• How to declare variable• Rules for naming variables• Reserved keywords in C.

September	Operators in C <ul style="list-style-type: none"> • Operators in C • Arithmetic Operators • Prefix & Postfix Operators • Relational Operators • Logical Operators • Bitwise Operators • Assignment Operators
October	Decision Making in C language <ul style="list-style-type: none"> • Understanding Conditional Statements • Decision Making Statements in C • If statement • If ...else statement • Switch Case statement
November	Loop Control in C Language <ul style="list-style-type: none"> • Knowing Loops • For Loops • While Loops • Do while loops • Nested loops
December	Control Flow in C language <ul style="list-style-type: none"> • Break statements in C • Continue statement in C • Goto statement in C
January	Introduction to Functions in C <ul style="list-style-type: none"> • What are functions ? • Why do we need functions ? • Built in functions • Pre-defined functions • User defined functions • Standard Library functions Project/ Program based on topic learnt
February	Revision

ASSESSMENT SYLLABUS

***All Assessments would be PRACTICAL in nature.**

ASSESSMENT	SYLLABUS
HALF YEARLY (SEPTEMBER)	Introduction to Programming Basic of Problem Solving Fundamentals of C Language My First Program in C Data Types and Variables in C Operators in C
YEARLY (FEBRUARY)	Decision Making in C language Loop Control in C Language Control Flow in C language Introduction to Functions in C