



BLOOM PUBLIC SCHOOL

Vasant Kunj, New Delhi

Syllabus: 2018-19

Subject: Computer Science (with Python)

Class: XI

MONTH	CHAPTER/UNIT
April - May	UNIT 2: COMPUTER SYSTEMS AND ORGANISATION <ul style="list-style-type: none"> Chapter 12: Computer System Overview Chapter 6: Debugging Programs Chapter 15: Insight into Program Execution Chapter 11 – States & Transitions
June	<i>Summer break</i>
July - August	UNIT 1: PROGRAMMING AND COMPUTATIONAL THINKING <ul style="list-style-type: none"> Chapter 1 – Getting started with Python Chapter 2 – Python Fundamentals Chapter 3 – Data Handling Chapter 4 – Conditional & Iterative statements Chapter 5 – String Manipulation
September	Revision for Semester I.
First Semester Exam: Syllabus – All the covered topics (mentioned above)	
October	UNIT 1: PROGRAMMING AND COMPUTATIONAL THINKING (contd.) <ul style="list-style-type: none"> Chapter 7 – List Manipulation Chapter 8 – Tuples Chapter 9 – Dictionaries Chapter 10 – Understanding Sorting
November	UNIT 2: COMPUTER SYSTEMS AND ORGANISATION (contd.) <ul style="list-style-type: none"> Chapter 13 – Data Representation Chapter 14 – Boolean Logic UNIT 4: SOCIETY, LAW AND ETHICS <ul style="list-style-type: none"> Chapter 21 – Cyber Safety Chapter 22 – Online Access & Computer Security
December	UNIT 3: DATA MANAGEMENT <ul style="list-style-type: none"> Chapter 16 – Relational Databases Chapter 17 – Simple queries in SQL Chapter 18 – Table creation & Data Manipulation Commands Chapter 19 – Table joins & Indexes in SQL Chapter 20 –Basics of NoSQL Database - MongoDB
January	Revision of Complete Syllabus Project evaluation, demo of running project. Mock Test
February	FINAL EXAM