

BLOOM PUBLIC SCHOOL
VASANT KUNJ, NEW DELHI

SYLLABUS: 2019-2020

SUBJECT: Computer Science *with Python*

CLASS: XI

| MONTH | CHAPTERS |
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| April | Chapter 12- Computer System Overview Chapter 13- Data Representation |
| May | Chapter 14- Boolean Logic Chapter 15- Insight into Program Execution |
| June | <u>SUMMER BREAK</u> |
| July | Chapter 1- Getting Started with Python Chapter 2- Python Fundamentals Chapter 3- Data Handling Chapter 4 – Conditional & Iterative Statements |
| August | Chapter 5 – String Manipulation Chapter 6 – Debugging Programs Chapter 7 – List Manipulation |
| September | Chapter 8 – Tuples Chapter 9 – Dictionaries Chapter 10 – Understanding Sorting Chapter 11- States & Transition |
| October | Chapter 16 – Relational Databases Chapter 17 – Simple Queries in SQL |
| November | Chapter 18 – Table Creation & Data Manipulation Commands Chapter 19 – Table Joins and Indexes in SQL |
| December | Chapter 20 – Basics of NoSQL Database – MongoDB Chapter 21 – Cyber Safety Chapter 22 – Online Access and Computer Security |

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| January | <ul style="list-style-type: none"> • Revision of Complete Syllabus • Project evaluation, demo of running project. • Mock Test |

ASSESSMENT SYLLABUS

| ASSESSMENT | SYLLABUS |
|------------------------------|------------------------------------|
| PERIODIC TEST-I (July) | Chapters 12,13,14,15 |
| HALF YEARLY (September) | Chapters 1,2,3,4,5,6,7,12,13,14,15 |
| PERIODIC TEST-II (December) | Chapters 8,9,10,11,16,17 |
| YEARLY EXAM (February) | All Chapter 1 to 22 |