Grade :11 Computer Science   Mrs. Jaini Shah

ANNUAL PLAN

MONTH	MAIN CONTENT/CHAPTERS	ACTIVITIES
June	Chapter 1: Computer system Overview Chapter 2: Operating system Chapter 6: Python Introduction	Basic computer organization: description of a computer system and mobile system, CPU, memory, hard disk, I/O, battery.
July	Chapter 3: Data Representation Chapter 7: Python Fundamentals Chapter 8: Data Handling	Features of Python, Python Character Set, Token &Identifiers, Keywords, Literals, Delimiters, operators.
August	Chapter 9: Flow of control Chapter 10: Looping constructs.	Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence.
September	Revision for Terminal Examination Chapter 10: String Manipulation	Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3numbers, and divisibility.
October	Chapter 10: String Manipulation (contd) Chapter 11: Lists Manipulation	Strings: Traversing, compare, concat, substring.
November	Chapter 12: Tuples Chapter 15: Cyber Safety	finding the maximum, minimum, counting the frequency of elements in a list using a dictionary. Introduce the notion of accessing elements in a collection using numbers.
January	Chapter 13: Dictionary Chapter 16: Online Access and Security	tuples : linear search on list/tuple of numbers, and Introduce the notion of accessing elements in a collection using numbers.
February	Chapter 17: Cyber Laws and Ethics	Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying