Course Information Sheet

Course Name: Fundamentals of Computer Science

Instructional Material: CompuScholar

Software (if required):

Semester One:

Week	Topic
1	Evolution of computers, hardware, software
2	Internet, scalability, distributed computing
3	Intro, running programs, basic coding
4	Abstraction, data types, variables
5	Printing, user input, string formatting
6	If statements, logic, operators
7	Errors, troubleshooting, Python debugger
8	For/While loops, break/continue
9	Tuples, list functions, searches
10	Libraries, random numbers, number systems
11	Character data, functions, input validation
12	Writing, calling, scope, abstraction
13	GOPS game, multi-lab project
14	Evolution of computers, hardware, software
15	Internet, scalability, distributed computing
16	Intro, running programs, basic coding
17	Abstraction, data types, variables
18	Printing, user input, string formatting

Semester Two:

Week	Topic
19	Teamwork, design docs, testing
20	Flowcharts, pseudocode, math algorithms
21	Efficiency, undecidable problems, simulations
22	Extraction, challenges, compression
23	Bias, innovations, crowdsourcing
24	Ethics, laws, intellectual property
25	Security, social engineering, malware
26	Teamwork, design docs, testing
27	Flowcharts, pseudocode, math algorithms
28	Efficiency, undecidable problems, simulations
29	Extraction, challenges, compression
30	Bias, innovations, crowdsourcing
31	Ethics, laws, intellectual property
32	Security, social engineering, malware
33	Teamwork, design docs, testing
34	Flowcharts, pseudocode, math algorithms
35	Efficiency, undecidable problems, simulations
36	Extraction, challenges, compression