

GCSE Computer Science

Curriculum Plan

Year 10

Week No.	Topic	Assessment
1 A	Introduction Showbie and Trinket Signup	Socratic Baseline Test
2 B	2.2.1 Inputs, outputs and variables 2.2.2 Data Types, etc. Using Trinket	
3 A	1.1 System Architecture CPUs and FDE Cycle	Submit Baseline Test result
4 B	Trinket Programming skills	
5 A	1.1 System Architecture CPU components, registers, etc.	
6 B	Trinket Programming skills Iteration, For and While Loops	
7 A	1.1 System Architecture Performance of CPUs Embedded systems	
Half Term Holiday		
8 B	1.1 System Architecture Test Trinket – Iteration	1.1.1 + 1.1.2 + 1.1.3 CPU Test
9 A	1.2 Memory and Storage Memory – RAM and ROM BIOS and Virtual memory	
10 B	Trinket Programming Skills Subroutines, Procedures / Functions	Submit CPU Test results
11 A	1.2 Memory & Storage Secondary Storage	LC1 Data
12 B	1.2 Memory & Storage Secondary Storage	
13 A	1.2 Memory & Storage Test	1.2.1 + 1.2.2 Test
14 B	Basic Python Topic Test	Basic Python Topic Test
Christmas Holiday		
15 A	Tests feedback 1.2 Memory & Storage Units of storage Conversation	
16 B	2.1 Algorithms Computational Thinking Design, creating and refining algorithms	Submit marks for Memory and Storage Test results
17 A	1.2 Memory & Storage Numbers, Character Sets	
18 B	2.1 Algorithms	
19 A	1.2 Memory & Storage Images and Sound	
20 B	2.1 Algorithms	LC2 Data
21 A	1.2 Memory & Storage Compression	2.1.1 Computational Thinking Test 2.1.2 Algorithms Test
Half Term Holiday		
22 B	1.2 Memory & Storage Test	1.2.3 + 1.2.4 + 1.2.5 Test

23 A		Test feedback Revision Exercises	
24 B		Revision Exercises	Submit Test results
25 A		Revision Exercises	
26 B		Year 10 Tests	2 exam papers (45 minutes) to cover 1.1 System Architecture 1.2 Memory & Storage 2.1.1 Computational thinking 2.1.2 Designing, creating and refining Algorithms 2.2.1 Programming fundamentals 2.2.2 Data Types
27 A		Trinket Python Programming Strings, etc.	
Easter Holiday			
28 B		1.4 Network Security Threats and Prevention	Submit Y10 Test results
29 A		Python Programming 1D Arrays	LC3 Data
30 B		1.4 Network Security Threats and Prevention	
31 A		Python Programming 2D Arrays	
32 B		1.4 Network Security Recap & Test 2.5 Programming Languages High and Low Level	1.4 Network Security Test
Half Term Holiday			
33 A		2.5 Programming Languages Translators Compilers and Interpreters	
34 B		Python Programming Algorithms Ciphers & Code	Submit Network Security Test results
35 A		2.5 Programming Languages IDE tools	Translator Test
36 B		2.4 Boolean Logic	
37 A		Boolean Logic & Test Python Programming	Boolean Logic Gates Test
38 B		Python Programming Algorithms	
39 A		Python Programming Algorithms	Submit Test results
Summer Holiday			

Year 11

Week No.	Topic	Assessment
1 A	1.3 Types of networks	
2 B	1.3 Factors that affect the performance of networks	
3 A	1.3 Client server and peer to peer networks	
4 B	1.3 Hardware required for LANs	
5 A	1.3 Hardware required for LANs	
6 B	1.3 The Internet	
7 A	1.3 Network Topologies	
Half Term Holiday		

8 B		1.3 Modes of connection	
9 A		1.3 Encryption methods	
10 B		1.3 IP and MAC addressing	
11 A		1.3 Standards and Protocols	
12 B		1.3 Standards and Protocols	
13 A		1.3 Concept of Layers	
14 B		Revision exercises	
Christmas Holiday			
15 A		1.5 Operating systems	
16 B		1.5 Operating systems	
17 A		Revision exercises	
18 B		Mock Exams	Paper 1 Mock Exam
19 A		Mock Exams	Paper 2 Mock Exam
20 B			
21 A		Mock Exam Feedback	
Half Term Holiday			
22 B		1.5 Utility software	
23 A		1.5 Utility software	
24 B		1.5 Test	
25 A		1.6 Ethical, legal and cultural impact Impact of Society	
26 B		1.6 Ethical, legal and cultural impact Impact of Society	
27 A		1.6 Ethical, legal and cultural impact Impact of Society	
Easter Holiday			
28 B		1.6 Ethical, legal and cultural impact Legislation	
29 A		1.6 Ethical, legal and cultural impact Legislation	
30 B		Exam Preparation & Revision	
31 A		Exam Preparation & Revision	
32 B		Exam Preparation & Revision	
Half Term Holiday			