

Long Term Plan Subject: Computer Science Year: 17-19

Term	Topic (s)	Assessed Work	Additional details
Term 1 a	Introduction to Computer Science GCSE, including using Python.		Students given the GCSE Computer Science book and Interactive resources.
	Algorithms	End of Unit Test	Students also given a copy of the Python Programming Guide
	Iteration	End of Unit Test	
Term 1 b	Boolean Logic	End of Unit Test	Student have access to Interactive online resources.
	Data Types and Data Structures	End of Unit Test	
Term 2 a	Searching and Sorting Algorithms	End of Unit Test	Student have access to Interactive online resources.
	Input and Output	End of Unit Test	
Term 2 b	Problem Solving	End of Unit Test	Student have access to Interactive online resources. Students have 20 Hours of class time to complete this project.
	Programming Project	The Programming Project report	
Term 3 a	Programming Project	Programming Project Report	Students have 20 Hours of class time to complete this project. Student have access to Interactive online resources.
Term 3 b	Binary & Hexadecimal	End of Unit Test	Student have access to Interactive online resources.

Term	Topic (s)	Assessed Work	Additional details
Term 4 a	Binary Representations Programming Languages	End of Unit Test End of Unit Test	Student have access to Interactive online resources.
Term 4 b	Computer Systems: Hardware Computer Systems: Software	End of Unit Test End of Unit Test	Student have access to Interactive online resources.
Term 5 a	Networks Computer Security	End of Unit Test End of Unit Test	Student have access to Interactive online resources.
Term 5 b	Ethical, legal, cultural and environmental concerns Revision	End of Unit Test Trial Exams	Student have access to Interactive online resources.
Term 6 a	Revision	Trial Exams	