Long Term Plan Computer Science Year 10 2020-22

|  |  |  |  |
| --- | --- | --- | --- |
| **Term** | **Topic (s)** | **Assessed Work** | **Additional details** |
| Term 1 a | Introduction to Computer Science GCSE, including using Python.AlgorithmsIteration  | End of Unit TestEnd of Unit Test | Students given the GCSE Computer Science book with Interactive resources. Students also given a copy of the Python Programming Guide.Students to start non assessed programming project. |
| Term 1 b | Boolean LogicData Types and Data Structures  | End of Unit TestEnd of Unit Test | Student have access to Interactive online resources.Students to start non assessed programming project. |
| Term 2 a | Searching and Sorting AlgorithmsInput and Output | End of Unit TestEnd of Unit Test | Student have access to Interactive online resources. |
| Term 2 b | Problem Solving Programming Project | End of Unit TestThe Programming Project report | Student have access to Interactive online resources.Students have 20 hours of class time to complete this project. |
| 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 | Programming Project  | Programming Project Report | Students have 20 hours of class time to complete this project.Student have access to Interactive online resources. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Term** | **Topic (s)** | **Assessed Work** | **Additional details** |
| Term 4 a | Binary & HexadecimalBinary Representations | End of Unit TestEnd of Unit Test | Student have access to Interactive online resources.  |
| Term 4 b | Programming LanguagesComputer Systems: Hardware | End of Unit TestEnd of Unit Test | Student have access to Interactive online resources. |
| Term 5 a | Computer Systems: SoftwareNetworks | End of Unit TestEnd of Unit Test | Student have access to Interactive online resources. |
| Term 5 b | Computer Security Ethical, legal, cultural and environmental concernsRevision | End of Unit TestEnd of Unit TestTrial Exams | Student have access to Interactive online resources. |
| Term 6 a | Revision | Trial Exams |  |