Long term Plan Subject: Computer Science YEAR 11

Term	Topic(s)	Assessed work	Additional details
1 a 7 weeks 21_lessons	1.1.1 Architecture of the CPU 1.1.2 CPU performance 1.1.3 Embedded systems 1.2.1 Primary storage (Memory) 1.2.2 Secondary storage 1.2.3 Units 1.2.4 Data storage 1.2.5 Compression 2.2.1 Programming fundamentals Programming Recap and extension Students to begin Coursework	Each Unit individually assessed using practice paper questions. If students fall below expectations they will be offered the chance to re-sit the test.	Knowledge recall style questions. Some questions answered using flowcharts and pseudocode
1b 7 weeks 21_lessons	1.3.1 Networks and topologies 1.3.2 Wired and wireless networks, protocols and layers 1.4.1 Threats to computer systems and networks 1.4.2 Identifying and preventing vulnerabilities 1.5.1 Operating systems 1.5.2 Utility software Programming extension	***8/11/21 –mock exams begin (no taught curriculum)*** Each Unit individually assessed using practice paper questions. If students fall below expectations they will be offered the chance to re-sit the test.	These are extended answers requiring in-depth analysis. Extended answers to include explanation, description and justification. Questions to be answered using either Flow Charts or Pseudocode.
2a 7 weeks 21_lessons	1.6.1 Ethical, legal, cultural and environmental impact 2.1.1 Computational thinking 2.1.2 Designing, creating and refining algorithms 2.1.3 Searching and sorting algorithms 2.2.2 Data types 2.2.3 Additional programming techniques Programming extension	***14/02/22 –non-core mocks 2 (no taught curriculum this week)*** Each Unit individually assessed using practice paper questions. If students fall below expectations they will be offered the chance to re-sit the test.	These are extended answers requiring in-depth analysis. Extended answers to include explanation, description and justification. Questions to be answered using either Flow Charts or Pseudocode.
2b 5 weeks _lessons	2.3.1 Defensive design 2.3.2 Testing 2.4.1 Boolean logic 2.5.1 Languages 2.5.2 The Integrated Development Environment (IDE)	***28/2/22 – core mocks 2 (no taught curriculum this week)*** Each Unit individually assessed using practice paper questions. If students fall below expectations they will be offered the chance to re-sit the test.	Questions to be answered using either Flow Charts or Pseudocode.

3a 5 weeks _lessons	Students to submit coursework. Whole course recap and Revision.	Coursework assessed by Mr Haysom before submission. Whole past papers used to recap, weaknesses identified and targeted.	Use of whole past papers and then targeted questions once weaknesses identified.