Year 11 Post-Lockdown Assessment Plan – March 2021: Computer Science

Aspect	Details
Course audit	**The following topics have been covered on the computer science course.** **Year 10 coverage consisted of:** **Computational thinking, algorithms and programming paper 2** • 2.1 Algorithms * • 2.2 Programming techniques • 2.3 Producing robust programs • 2.4 Computational logic • 2.5 Data representation Topic not covered • Translators and facilities of languages **Assessment** Computational thinking, algorithms and programming paper 2. This content was tested in the first year 11 mock (Questions from the 2019 paper) **Year 11 coverage** **Computer systems paper 1** • 1.1 Systems Architecture • 1.2 Memory and Storage • 1.3 Wired and wireless networks • 1. 3 Network topologies, protocols and layers Not covered • System software • Ethical, legal, cultural and environmental concerns

	Assessment
	Mr Konan did a unit test on system architecture, storage and memory in February. The network sections need to be tested – A further test is being designed for students to take before Easter
New content	*Additional topics* Currently teaching which should be finished by Easter Computer systems paper 1 • 1.4 System security It is suggested that the remaining topics are not covered. Computer systems paper 1 • 1.5 System software • 1.6 Ethical, legal, cultural and environmental concerns After Easter revision of paper 2 topics in preparation for second mock **Computational thinking, algorithms and programming paper 2** • 2.1 Algorithms * • 2.2 Programming techniques • 2.3 Producing robust programs • 2.4 Computational logic • 2.5 Data representation

Next steps	Additional reading on System software can be provided as transition material. ISAAC computing has created a good section for year 11 transition work for students moving into year 12. There are a series of assignments that can be set for students as well. Good independent study work. **Theory** GCSE to A level transition GCSE Programming concepts GCSE Data representation GCSE Boolean logic GCSE Systems GCSE Networking https://isaaccomputerscience.org/topics
In-class assessments	Assessment in class in the form of a topic tests **First topic test** taken before Easter on • Wired and wireless networks • Network topologies, protocols and layers **Second topic test** will be on • System security. • This could also include system architecture, storage and memory if necessary **Exam conditions assessment**

	Students tested on paper 2 content, again to give them a chance to improve their previous mock grade. Questions will come from a combination of papers both OCR and AQA.
Interventions	After school intervention will run in accordance with the school Timetable and will run: • 11C Wednesday Week 2 • 11A Friday Week 2 The sessions will be targeted at all students in order to provide the best opportunity to prepare for final examinations. Students will be advised by correspondence and verbal instruction. The intended outcome is to improve knowledge and skills and prepare students.
Additional sessions	Additional sessions will be offered during the Easter break in school and will be offered to all students with dates and timings to be advised at the start of WB 22-03-2021. Content will be in line with targeted revision cycles.
Non-Examined Assessment (NEA)	The NEA component has been produced in a varied range by students. All Students will be required to submit what they have produced using the OCR template. It is understood that not all students have completed the project but there will be an opportunity to add to the work already done and the final evidence can be submitted incomplete. Students will get recognition for the content they have produced when the final grade is awarded.

Range of evidence	The following range of evidence is provided: The First Mock Exam has been completed Unit tests System architecture, storage and memory - completed Unit test Networks – still to be completed Unit test System security (+) – to be completed Second Mock – to be completed NEA once collected in
Formal assessments	The following formal assessment will also be completed **Second Mock Exam** **Computational thinking, algorithms and programming paper 2** • Algorithms * • Programming techniques • Producing robust programs • Computational logic • Data representation Students will only be tested on what they have been taught, and they should know the topics being covered in such papers.
Other information	Students will be kept informed of the requirements and progress as required.