



Bridging work for Computer Scientists

Year 11 from 2020-2021

NEA coursework brainstorming session

The non-examination assessment can be a challenging project for students. This session will be about exploring the possible options that students have in selecting and developing a solution to a real-world challenge.

The focus will be on providing students with an understanding of the qualification expectations as well as detailing the precise actions they are required to take for a successful time limited project.

The official AQA NEA guidance and the AQA qualification specification can be located here:

- [A-level Computer Science Non-exam assessment guide \(aqa.org.uk\)](https://www.aqa.org.uk/qualifications/computer-science/assessment)
- [AS and A-level Computer Science Specification Specifications for first teaching in 2015 \(aqa.org.uk\)](https://www.aqa.org.uk/qualifications/computer-science/specification)

Note, the AQA specification has a chapter on the NEA (section 4.14) from page 96 to 109, with specifics on the technical skills required to be demonstrated, the marking criteria and particular information on each of the five main sections of the report (Analysis, Design, Implementation, Testing and Evaluation).

Further details on the required documentation can be found in the NEA Guidance Document.

Summer work

As part of your ongoing programming skills development and curriculum requirement, take a look at this short OOP course.

[Object-Oriented Programming \(OOP\) in Python 3 – Real Python](#)

What can be a challenging aspect of the course is the reduction of Boolean algebra equations. The AQA Teacher Guide is packed with some initial explanation and a series of questions for you work through to become familiar with the Boolean identities and practice implementing them. The AQA specification states “*Be familiar with the use of Boolean identities and De Morgan’s laws to manipulate and simplify Boolean expressions.*”

Obtain the Boolean questions using the link below:

https://readingschoolco.sharepoint.com/:b:/s/ReadingSchoolAllStaff/EerTMiyXVZxAlqa_gvwvVnIBU2wt3eo4Bb0rhpU_1uYLiA?e=G7TDNi