

## COMPUTER SCIENCE A LEVEL 2020

**AQA 7517** - <http://www.aqa.org.uk/subjects/computer-science-and-it/as-and-a-level/computer-science-7516-7517>

**Year 12** – Will follow the AS topics (units 1-9)

**Year 13** – Will follow the A-Level topics requiring a deeper understanding of core principles and the NEA coursework (20%) (units 1-12)

In order to be fully prepared for the A Level Computing course, all students will need to be familiar with the fundamentals of programming in Java.

If you have studied another language at GCSE the concepts will still be the same but you will need to download the software “Eclipse IDE for Java developers” from the site: [www.eclipse.org/downloads/](http://www.eclipse.org/downloads/)

Then visit [learnjavaonline.org](http://learnjavaonline.org) , and complete the tasks below.

### Learn the Basics

- [Hello, World!](#)
- [Variables and Types](#)
- [Conditionals](#)
- [Arrays](#)
- [Loops](#)
- [Functions](#)

Copy and paste any programs you create into a word document (with headings relating to whichever activity it is) to hand in at the beginning of September.

If you are familiar with Java then there are some tasks to be completed in repl.it please email [nicola.mounsey@calday.co.uk](mailto:nicola.mounsey@calday.co.uk) for the access.

There is also some transition work with Isaac computing – again please email for the access.

Finally keep an eye on relevant news articles relating to Computer Science and keep a list of any interesting links – we will discuss them in September when you return.