**A-level computer science study period guide - autumn term 2022**

This guide is designed to help students with the independent revision for **year 12 Computer Science** in the study periods this term.

**What topics will I be studying?**

x.x.x numbers refer to content in specification

|  |  |  |  |
| --- | --- | --- | --- |
| Paper 1 Content | Course Textbook | Paper 2 Content | Course Textbook |
| 1.1.1 – Structure and function of the processor  1.1.2 – Types of Processor  1.1.3 – Input, Output and Storage  1.2.4 – Types of Programming Language | Ch 1 – 2  Ch 3  Ch 4 – 6  Ch 14 | 1.4.1 – Data Types  1.4.2 – Data Structures  1.4.3 – Boolean Algebra  2.3.1 – Algorithms | Ch 28  Ch 34 – 39  Ch 40 – 43  Ch 59 - 64 |

**Which Exam Board?**

In Computer science we follow the OCR exam board. For a detailed look at the specification please see the link below:

<https://www.ocr.org.uk/Images/170844-specification-accredited-a-level-gce-computer-science-h446.pdf>

**What useful revision activities should I be doing?**

* Practicing exam questions using the provided physical and digital past paper packs.
* Engaging with the course textbook chapters outlined above and the accompanying exercises within.
* Summarising lessons/topics into a single sheet of A4/flashcards/mind map.
* Talk about a concept for one minute without pausing.

**Useful Resources**

* Provided course textbook.
* YouTube - searching for a particular topic will return numerous results of use (often walk-throughs for algorithms etc).
* Teams area for group.