



## Computer Science: Start of Year 11 Information

Cambridge IGCSE (Course Code: 0478)

### Starting in Year 11 (or during Year 10)

Welcome to Computer Science! Hopefully, we have had a chance to chat about your programming experience, your interests in coding, computers and your experience! We will have two full-on terms to get you ready for the final exam!

### Areas still to be covered in Year 11

Check out the curriculum overview document which details the areas covered in the course during this year 9 and Year 10. You can reference these with the units listed here, which are the only units we have not yet completed.

- 5.2 Digital Currency
- 5.3 Cyber Security
- 6 Automated and Emerging Technologies
- 6.1 Automated Systems
- 6.2 Robotics
- 6.3 Artificial Intelligence
- 9 Databases

### Work to complete before you arrive (optional)

1. By start of Year 11, students are very proficient in coding and algorithmic thinking. We have almost finished the course for Paper 2. Read the syllabus guide for programming and ensure you are confident
2. When arriving, we really need you to join a coding CCA. We should have a few options, this will give you an opportunity for 1 to 1 and further support to catch up
3. You could download a kindle book from amazon, like [this one here](#).

### Additional resources

Creating an account on <https://codehs.com/> and working through Python programming problems.

Creating an account on <https://snakify.org/> and working through tutorials and challenges

Creating an account on <https://codingbat.com/python> and completing python challenges

Contacting new class teacher and requesting an account on REPL to complete activities