



## Subject Name: Start of Year 10 Information

Cambridge IGCSE Computer Science (Course Code: 0478) - for examinations from 2023

### Starting in Year 10 (or during Year 9)

Welcome to Year 10 Computer Science. Please use the information on this page to make sure you are ready to join our class!

### Areas covered during Year 9

Please refer to the [syllabus](#) for more details

- 1. Data representation
  - 1.1 Number systems (binary, hexadecimal, denary)
  - 1.2 Text, sound and images
  - 1.3 Data storage and compression
- 2. Data transmission
  - 2.3 Encryption
- 4. Software
  - 4.2 Types of programming language, translators and IDEs
- 7. Algorithm design and problem solving
- 8. Programming
  - 8.1 Programming concepts

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

- You may wish to brush up your computer programming skills (Python) - [this](#) is a good starting point

### Additional resources

- Look at specimen [paper 1](#), and [paper 2](#)
- This [YouTube channel](#) has some excellent videos for our syllabus