

Subject: GCSE Computer Science**Exam Board:** OCR (J277)**Paper Information:** 1 paper focusing on computational thinking, algorithms and programming (Component 2)**Paper marks:** 50 marks**Duration:** 1 hour**Component 2****Content:**

- Abstraction
- Reading, writing and interpreting algorithms
- Programming constructs (sequence, selection and iteration)
- Variables
- Arithmetic operators
- Data types
- Arrays (1D and 2D)
- Trace tables
- Testing and defensive design
- Searching and sorting algorithms
- Writing functions
- High level and low level languages

Useful revision resources:

- [Craig and Dave YouTube Channel](#)
- [Teach ICT J277](#)
- GCSE Computer Science Complete Revision & Practice
- Microsoft Teams / OneNote classbook
- [Knowledge Organisers for all GCSE topics](#)
- [Practice Papers](#)
- [GCSE Exam Revision folder on SharePoint](#)
- Seneca Learning
- GCSEPod

Revision Tips:

- You should aim to write algorithm/pseudocode/exam reference language questions in a Python format as this is the programming language you have used at GCSE
- You need to include a comment on your algorithm questions (1 easy mark)
- Make sure you have downloaded the Microsoft Teams and OneNote apps on your phone or tablet to access all of your lesson resources from Year 10. You can also sign in via office.com with your GSHS email address and password from any device. Speak to your Computer Science teacher if you need help setting this up.
- A large amount of the paper is made up of definitions of key terms, advantages and disadvantages. Knowledge based questions (1-3 mark questions)
- Complete past paper questions via OneDrive