

Subject: GCSE Computer Science

Exam Board: OCR J277

Paper Information: 1 Paper focusing on Computational Thinking and Algorithms

Paper Marks: Their will be a maximum of 50 marks available.

Section B

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
- Searching and sorting algorithms
- Writing Functions
- Logic Gates
- High Level and Low Level Languages

Useful revision resources:

- Craig and Dave YouTube Channel <https://www.youtube.com/channel/>
- Teach ICT J277
- GCSE Computer Science Complete Revision & Practice
- **GCSE Pod**
- Google Classroom Revision Zone section
- Knowledge Organiser Sheets
- Key terminology document

Revision Tips

- Pseudo code has no syntax
- You need to include a comment on your algorithm questions (1 easy mark)
- A large amount of the paper is made up of definition, advantages and disadvantages. **Knowledge based questions** (1 -3 Mark questions)
- Revise the binary, denary and Hex table – multiplying by 16 (**you are not allowed a calculator**)
- Complete past paper questions – see classwork folder