Computer Science OCR

Year 11 Parent's Guide

Link to website: https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/

Course consists of 2 Units

Students will sit two exam papers in the summer of Year 11. They are both worth 50% each. The two exams will both be 1.5hours long and be worth 80 marks each.

There is a practical programming element where students provide solution to a user defined problem. This is internally assessed and reported to the exam board but does not directly count towards the grade for the qualification.

HINT 1:

Please download the specification and use the contents of the two units at check lists for revision.

https://www.ocr.org.uk/Images/558027-specification-gcse-computer-science-j277.pdf

PAGES 3 – 17 of the specification documents provide further detail.

Unit 1– Computer Theory

Covering.. Computer systems • Systems Architecture • Memory • Storage • Wired and wireless networks • Network topologies, protocols and layers • System security •

System software • Ethical, legal, cultural and environmental concerns

This unit is covered first with a mini assessment every half term to check understanding. Programming skills lesson is provided regularly to compliment the theory.

Unit 2 – Computational thinking

- **Covering** Algorithms * • Programming techniques • Producing robust programs • Computational logic • Translators and facilities of languages • Data representation

This unit is covered from the middle or late Year 10 with a mini assessment every half term to check understanding. Programming skills lesson is provided regularly to compliment the theory.

Resources and Useful links

- Exam board website: https://www.ocr.org.uk/qualifications/gcse/comp uter-science-j277-from-2020/
- Teach-ICT：https://www.teach-ict.com/v/GCSE_Computing/OCR_J277/OCR_J277_home.html
- BBC Bitesize: https://www.bbc.co.uk/bitesize/examspecs/zmtchbk
- Know it all Ninja: https://www.knowitallninja.com/ (Login provided by school, student can access from home to practice exam-styled questions)
  - **Lesson Notebook, Teams assessments and files put shared area of class Teams.**

Recommended books

New GCSE Computer Science OCR Revision Guide
ISBN: 178908556X Price: £5.95

New GCSE Computer Science OCR Exam Practice Workbook
ISBN: 1789085578 Price: £5.95

New GCSE Computer Science OCR Revision Questions Card
ISBN: 1789085608 Price: £6.50

Any further question?

Please email:

gajayi@sawtryva.org