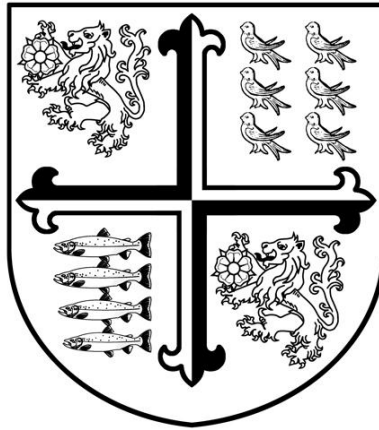




GCSE Computer Science Exam Preparation

Exam Board: Cambridge OCR

Specification: J277

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

Contact details:

Mr S Perry – sperry@bournemouth-school.org

	Week 1-4	Week 5-10	Week 9-12	Week 15-17	Week 18-19	Week 20-29
Topic	1.3.2 Wired and Wireless Networks, Protocols & Layers	1.6 - Ethical, Legal, Cultural and Environmental Impact	Revision	2.2.3 SQL	2.5.1 & 2.5.2 Translators & IDEs	Revision
Learning Objectives	Knowledge of key concepts of wired & wireless networks, protocols & layers.	Familiarity with the ethical etc impact of computing.	To review and consolidate key skills and knowledge from Y10.	To introduce SQL as a way of controlling databases.	To familiarise pupils with the need for translators and IDEs.	To review key aspects of J277 Paper 1 & 2.
Knowledge/skills to be gained	Knowledge of different modes of connection and key networking protocols	Impacts of digital technology on wider society. Understanding of key computer-related legislation.	Reinforced knowledge of course content from Y10.	Knowledge of key SQL commands and how these can be used to extract data from a database.	The need for translators and the key types available. Key features of IDEs.	
Assessment	Summative assessment using exam questions EAD 21/09	Summative assessment using exam questions EAD 19/10	Teachers check on learning in every lesson.	Summative assessment using exam questions EAD 11/01	Summative assessment using exam questions EAD 19/09	
Revision	Wired and Wireless Networks, Protocols & Layers	Ethical, Legal, Cultural and Environmental Impact		SQL	Translators & IDEs	
Link with prior/subsequent learning	Builds upon KS3 computing theory. Builds upon 1.3.1 Networks & Topologies	Builds upon KS3 computing theory.	Build upon previous knowledge of KS4	Expands knowledge gained from 2.2 Programming	Builds upon previous KS4 knowledge	

Online Revision Resources (all units):

- Ada Computer Science - <https://adacomputerscience.org/>
- BBC Bitesize - <https://www.bbc.co.uk/bitesize/examspecs/zmtchbk>
- Seneca - <https://senecalearning.com/en-GB/>
- W3 Schools Python https://www.w3schools.com/python/python_intro.asp

- Time2Code Python <https://time2code.today/python-course>