

OCR GCSE Computer Science

We follow the OCR Computer Science (J277) specification and previously followed OCR's J276. The course is assessed via two exams in the summer window commonly known as paper 1 and paper 2; both papers are worth 80 marks and, in each instance, the standard time given is 1 hour and 30 minutes.

SUMMARY OF MOCK EXAM
Paper 1 – Computer Systems
Total time for the exam is 1 hour 30 minutes . Total marks - 80
Content being assessed
<ul style="list-style-type: none">• Data representation – character sets / hexadecimal / binary• Moral and ethics - Impact of digital technology• Features of a CPU / Components of a computer• Embedded systems• Data representation – Images / Video• Storage devices• Compression techniques• Legislation• Networks – Topologies• Networks – forms of attacks and prevention• Utility software• Open-Source vs Proprietary• Cloud Computing
Paper 2 - Computational thinking, algorithms and programming
Total time for the exam is 1 hour 30 minutes . Total marks – 80
Content being assessed
<ul style="list-style-type: none">• High Level vs Low Level Languages• Features and tools of an IDE• Structure diagrams• Program code interpretation – <i>when given a block of code, what does X mean, what does Y do, where is the error on line N?</i>• Binary Search• Logic Gates• Program code writing• Abstraction• Testing – normal / erroneous / boundary – <i>suggesting suitable data</i>• Databases – SQL
Further Guidance
<p>Paper 2 in J277 heavily assesses your ability to interpret and write program code for a given scenario – it is imperative that you continuously practice this skill in preparation.</p> <p>Lesson time is going to be used to further explore and practice these topics and resources will be provided to you. You are going to receive a new revision guide which contains practice questions for you to complete. You will be provided access to the previous courses past paper resources.</p> <p>For further support and guidance please contact Mr Ebrahim or Mr Khitab: b.ebrahim@bishopchalloner.bham.sch.uk o.khitab@bishopchalloner.bham.sch.uk</p>