



GCSE
COMPUTER SCIENCE
C500QS
Summer 2022 examinations

Component 1	Understanding computer science	Monday, 16 May 2022
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Advance Information

General information for students and teachers

This advance information provides the focus of the content of the Summer 2022 examination paper.

It does not apply to any other examination series.

It is intended to support revision.

It may be used at any time from the date of release.

It must not be taken into the examination.

Subject information for students and teachers

A guidance document on advance information has been produced by The Joint Council for Qualifications (JCQ) on behalf of all awarding organisations. It can be found [here](#).

This advance information covers Component 1 only. There is no advance information for Component 2.

The following areas of content are suggested as key areas of focus for revision and final preparation, in relation to the Summer 2022 examinations.

The content is shown in specification order not in question order. Content not included in the list may still be assessed in low tariff and synoptic questions.

The aim should still be to cover all specification content in teaching and learning.

Component 1- Understanding Computer Science

Section	Section title	Content (amplification)
2.1.1	Hardware	Central processing unit (CPU)
2.1.2	Logical operations	Logical operators Boolean logic
2.1.3	Networking and cybersecurity	Networks (the importance of creating network standards) Cybersecurity
2.1.4	Data representation and storage	Representation of numbers Representation of sound
2.1.6	Operating systems	Operating systems
2.1.8	Algorithms and constructs	Algorithms Sorting
2.1.9	Software development	Software tools
2.1.10	Program construction	Translators

End of advance information