



**GCSE
ELECTRONICS
C490QS**

Summer 2022 examinations

Component 1	Discovering electronics	Friday, 27 May 2022
Component 2	Application of electronics	Friday, 10 June 2022

Advance Information

General information for students and teachers

This advance information provides the focus of the content of the summer 2022 examination papers.

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 and Component 2 only. There is no advance information for Component 3 (NEA).

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

The list below shows the major focus of the papers.

Topics **not** included on the list below **may** be assessed in low tariff questions or via synoptic questions.

Assessment of mathematical skills (Appendix A, Equations in electronics, in the specification) will occur throughout the two papers.

Component 1

- Topic 1.2 Circuit concepts
- Topic 1.3 Resistive components in circuits
- Topic 1.4 Switching circuits
- Topic 1.6 Combinational logic systems

Component 2

- Topic 2.1 Operational amplifiers
- Topic 2.2 Timing circuits
- Topic 2.3 Sequential systems

End of advance information