



GCSE ELECTRONICS

SUMMARY OF ASSESSMENT

Summer 2022 only

Component 1: Discovering Electronics
Written examination: 1 hour 30 minutes
40% of qualification

A mix of short answer questions, structured questions and extended writing questions, with some set in a practical context

Component 2: Application of Electronics
Written examination: 1 hour 30 minutes
40% of qualification

A mix of short answer questions, structured questions and extended writing questions, with some set in a practical context

Component 3: Extended system design and realisation task
Non-exam assessment
20% of qualification

An extended system design and realisation task to assess electronics skills

Component 1: There is no change to this component.

Component 2: There is no change to this component.

Component 3:

The adaptation allows learners to complete their final circuit by using circuit simulation if they are unable to build a complete physical circuit. This is in the same way sub-system development can be simulated or physically prototyped.

The adaptation allows if the final circuit is simulated:

- the organised physical circuit layout to be assessed through a drawing of the layout plan for the circuit showing all components and wiring;
- testing of the simulated system prototype, to enable a detailed analysis of the results using standard scientific convention including relevant electrical measurements.

These adaptations are to be marked in the same way as evidence provided for a complete hardwired prototype.

This linear qualification will be available in **Summer 2022 only**.

Candidates entering the qualification in 2023 should use the accredited [specification](#).