



The Thomas Hardy School

Summer Preparation Task

A Level Electronics

Purpose of task:

Gain familiarity with some basic circuit concepts.

Recommended resources:

You will be issued printed copies of the eBooks published by EDUQAS. You can access them here:

- <https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=937>
- <https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=1179>

Task:

View GCE Electronic Core Concepts booklet (Open QR code or link)

https://resource.download.wjec.co.uk/vtc/2016-17/16-17_1-9/gce-electronics-book-core-concepts.pdf

Read p.1 – 10 and make annotated notes on **Kirchhoff's first law** (KCL) and **Kirchhoff's second law** (KVL). This should fit onto a single side of A4 paper.

Read p.12 – 13, ignoring the section on voltage dividers. Make annotated notes on **resistors in series** and **resistors in parallel**. This should fit onto a single side of A4 paper.



Additional Information:

Required Stationery and Equipment

Pens, pencils, eraser, ruler and scientific calculator.

Essential Resources

None. All resources will be provided.

Things to Consider Throughout the Year

Most resources will include student exercises, worked examples and past examination questions. It is essential that you attempt the exercises and exam questions independently as this will develop the necessary skills to pass the final exam with an excellent grade. Students who skip the exercises or work with a friend to answer the sample exam questions tend to perform poorly.

Recommended reading & activities list:

If you have not previously studied GCSE Electronics, you may wish to read through some of the GCSE Electronics eBooks that can be accessed here:

<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=938>

Deadline for Task: First lesson commencing September 2024