

## A Level Electronics Summer Work:

**FACULTY:** Computing  
**DEPARTMENT:** Computing  
**COURSE:** A level Electronics

**HOD:** Mr D Kingshott  
**Teacher** : Mr. Z Ishani  
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**Objective:** To establish a familiarity of common electronic circuit symbols and develop an understanding of what these symbols represent with their typical use.

**Activity:** Researching Circuit Symbols

**Time to be allotted to this task:** 2 hours

### **TASK:**

Download and print off the worksheet 'Electronics Induction Homework' from the link provided below.

Use the internet (or other resources) to try to find the names of the components that the 16 circuit symbols represent on the sheet.

Once this has been done, you should then try to find examples of what each of the 16 identified components could be used for in Electronics. These examples/uses should be documented on the reverse of the worksheet.

### **DOCUMENTS/USEFUL LINKS TO HELP YOU:**

Electronics Induction Homework Worksheet: <https://tinyurl.com/rwba-elec-alevel-work>

### **END RESULT:**

You should have a completed circuit symbol sheet with circuit symbol component names identified on one side, and component descriptions/uses on the other side. You should write your first and last name at the top of your sheet.

**HAND IN DATE:** First lesson of the course

1. Visit the AQA website and browse to the Computer Science A-level page (make sure it's for the new specification - 7516, 7517)
  - a. Download and read the specification
  - b. Bookmark the site
  - c. Find where the following are kept on the website:
    - i. Example exam papers
    - ii. Guidance on the Non-examined coursework
    - iii. The breakdown of the specification

**REQUIRED READING:** Core Concepts see separate document:

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