



North Halifax Grammar School – A Level Transition Work

A level Electronics

Specification

EDUQAS website

<https://www.eduqas.co.uk/qualifications/electronics/as-a-level/>

Course Overview

Year 1 Subject Content	Year 2 Subject Content
<ul style="list-style-type: none">• Logic gates• Timing circuits• Amplifiers• Microcontrollers• Mains power• semi-conductors	<ul style="list-style-type: none">• Further microcontrollers• Sequential logic• Filters• Audio systems• High power circuits• Communication

Project work

There are two main pieces of coursework with a value of 20% of the A2. During year 1 we do two smaller practise pieces of coursework to develop the required skills then the two major pieces in year 2. One is based on microcontrollers and programming. The other on any area of electronics that has interested you during the course.

Recommended Reading / Revision / Transition work

Register with reviseomatic website

<https://reviseomatic.org/rOmV4/>

There are lots of good self marking questions here. There is help for any questions you want. I would recommend doing chapters on GCSE basics as a start point

Look at the picaxe website

<http://www.picaxe.com/>

This is the system we use for programming microcontrollers.

Also the project gallery for ideas of things you could build for your coursework

<http://www.picaxe.com/Project-Gallery>

The exam board publish an eBook which I base my teaching on

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