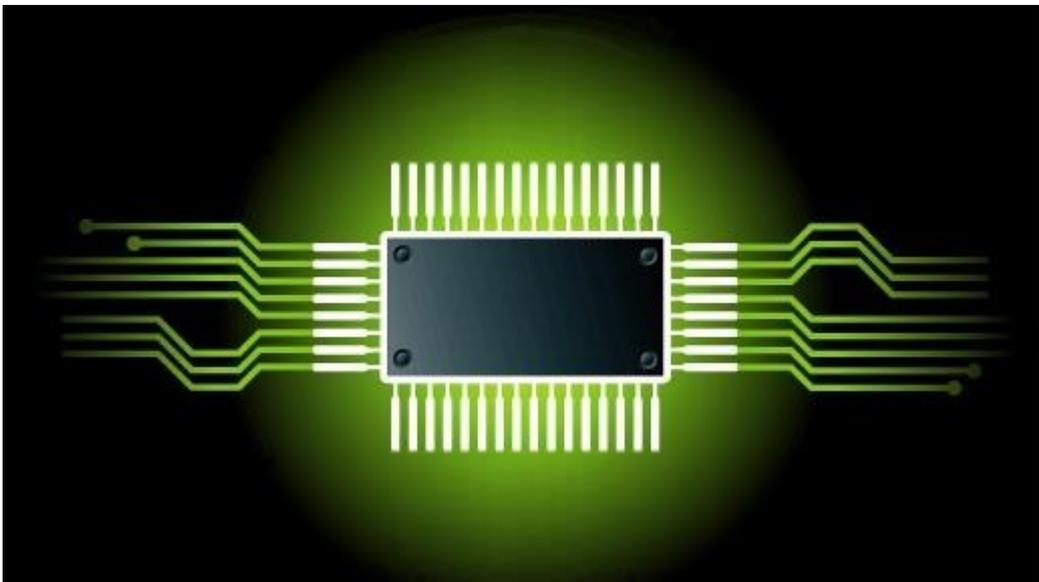




ELECTRONICS

A Level Subject Information



Electronics

GCE A Level
Examining Board – WJEC Eduqas

Introduction

Electronics is involved in every aspect of the modern world and its importance is both undeniable and universal. It is one of the fastest growing industries of the twenty-first century. Electronics and electronic engineering offer an immense variety of further study and career opportunities.

The Aim of the Course

The aim of this course is to attract students to study Electronics by providing a rewarding and stimulating examination course. By its very nature, Electronics is a practical subject and is taught in a practical manner. The course also aims to:

- develop a positive attitude towards Electronics
- develop confidence and interest in the subject
- develop an awareness of the importance of the subject
- acquire a sound base of knowledge required for further study or employment.

Summary of assessment

Component 1: Principles of Electronics

40% of qualification

A mix of short answer and extended answer questions with some set in a practical context.

Component 2: Application of Electronics

40% of qualification

A mix of short answer and extended answer questions with some set in a practical context.

Component 3: Extended system design and realisation tasks

Non-exam assessment

20% of qualification

Task 1

A design and program task to create a microcontroller system programmed in assembler language to solve an identified problem, need or opportunity.

Task 2

A substantial integrated design and realisation task to create an electronic system to solve an identified problem, need or opportunity.

Who should take Electronics?

Any student who wishes to study a science-based yet practical subject beyond GCSE should consider Electronics. It is a new subject for everyone in the sixth form.

Results in Electronics over the last few years have been excellent. In 2019, every A2 student achieved their target in Electronics with 100% A to C.

Teaching Methods

The course has a strong emphasis on practical work with 20% of the final mark based on projects. Most lessons will involve students working through practical assignments, which are designed to develop skills and understanding that are needed for these projects.

Any Summer Work?

Sit back relax and look at how much electronics is involved in and changes everyday life. If you could build any appliance, what would it be? You might just have the ability to build it as a project.

Further information

Any student interested in the course may obtain further information from **Mr Robinson** or should ask any current student of Electronics about the course.