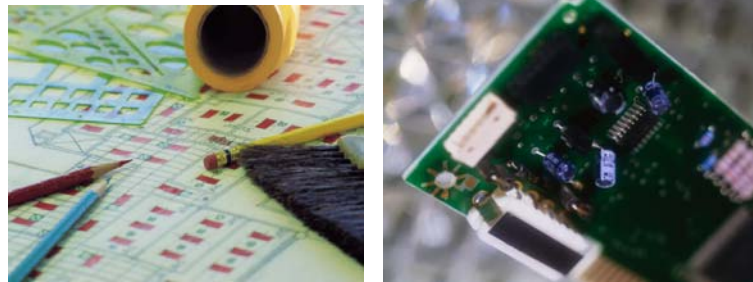


# BTEC Engineering and electronics



**Department:** Science

**Exam Board:** Edexcel

**Duration:** 1 Year

**What is it worth?** BTEC First Certificate (Equivalent of 2 GCSEs)

**Why take this course? Who is it for?**

This course complements BTEC science and double award science. This course is ideal for students who are interested in future technologies.

**What does this course involve?**

In this course you will gain an understanding of electronics in a variety of contexts and an insight into how modern day electronic systems work.

**What possible progression routes are available after taking this course?**

Electronics is increasingly having more effect on our daily lives. From this course you can progress on to an A' level course, engineering apprenticeship or go into employment. To might want to progress onto a higher education course after doing a Level 3 qualification to do a HND/C, Foundation Degree or degree. There are many different degrees in electronics to choose from including, micro-electronics, software engineering, communications systems, electronic and robotic systems.

**What are the special features?**

In this course you will:

Learn about the different types of components and their function

Learn how to read circuit diagrams and other technical drawings

Have the opportunity to design and build your own electronic circuits

Discover the principals behind some of the common electronic devices which we take for granted today

Gain an understanding of how electronics is used in communications

**What possible careers follow on from this course?**

There are opportunities with the electronic industry at all levels for people with just a few GCSEs to degrees. Training for assembly, craft and technician level jobs are usually through an apprenticeship in engineering. Professional electronic engineers can be engaged in research, design, development, production, testing, marketing, installation and maintenance.

**What skills will you develop?**

The knowledge and skills acquired through the study of electronics form a sound base, not only for taking the subject further, but also for employment in the scientific and technological professions. In addition, in studying electronics candidates will encounter techniques and disciplines of value in many other subject areas.

**How you will be assessed?**

100% Coursework.

**Who do I see for further information?**

Mr Connolly.

Current results  
100\* A-C