



OCR Cambridge National Engineering Design

Course Description

This course is the OCR Cambridge National Level 1 / 2 in Engineering Design (J822)

What topics will I be covering?

In this course you will cover the following units:

- Principles of engineering design
- Communicating designs
- Design, evaluation and modelling

How much of the course is examination or Controlled Assessment?

The course is 40% exam and 60% coursework which is a controlled assessment taking place in lesson time. The coursework is split over two units worth 30% each.

How much work is required after school?

Extended learning is required throughout the course and opportunities will be made available to use the academy facilities after school.

How is the work assessed and when?

R039 and R040 coursework units are assessed in year 10, worth 60% of the total GCSE grade. R038, the exam unit, is completed in year 11. Worth 40% of the total GCSE. Ongoing assessment in lessons takes place during years 9, 10 and 11.

What do I need to achieve a good grade?

A growth mind-set, with a 'can do' attitude. An interest in learning about how things work and a desire to carry out practical work and problem solve and being an independent worker is key to a good grade.

If I want to study the subject after GCSE, what grade must I get?

Students must pass the level 2 qualification in order to progress onto a BTEC or Technical Award in Engineering Level 3.

What career options lead from this subject?

This course will lead onto a range of different careers, including; engineering, interior design, product designing, video game designer, trade jobs, CAD engineering, architect and many more!

