



L3 Certificate/Extended Certificate in Engineering Summer Bridging Task

The purpose of giving you a summer bridging task

- i. To provide a bridge from level 2 to level 3 study, and lead into the early stages of the course
- ii. To engage you in independent learning which is required at level 3
- iii. To encourage you to develop your work ethic and commitment to study
- iv. To measure your suitability for the course and assess your initial levels of achievement

All of your work must be typed and clearly presented – please reference your work where possible

Task 1: Define the following key terms and draw some diagrams to help explain the definition(30mins):

- Displacement
- Velocity
- Acceleration
- Gradient
- Acceleration due to gravity
- The Newton
- The Joule

Task 2: Produce a PowerPoint presentation to outline an area of Engineering that you find interesting. It can be something you learnt about at GCSE or from a documentary you have watched or a topic you have read about. You should include:

- Information about the topic
- What you find interesting about the topic
- What you would like to learn more about the topic

Task 3:

A useful resource for your study is provided by the examination board.

<https://www.ocr.org.uk/qualifications/cambridge-technicals/engineering-2016-suite/assessment/#level-3>

Spend some time exploring this website. You will find information about the course, exam papers, mark schemes and exam reports. In particular look at the formulae booklet and see which formulae you have already used. The units you will be studying are unit 1,2,3,4,11 & 22. Practice is a key part of success at A level, so make sure you are familiar with the types of question that can be asked.